

Canon



**imageRUNNER
ADVANCE
C9280 PRO
C9270 PRO**



**imageRUNNER
ADVANCE
C7270 / C7260**



Service Guide

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I. Product Overview and Configuration

A. Overview

The Canon imageRUNNER ADVANCE C9200 PRO Series consists of the imageRUNNER ADVANCE C9280 PRO/C9270 PRO. These models are designed for use in a high-volume office environment, corporate CRD (Central Reprographic Departments) and Print-for-Pay environments.

The Canon imageRUNNER ADVANCE C7200 Series consists of the imageRUNNER ADVANCE C7270/C7260. These models are designed use in a high-volume office environment and corporate CRD (Central Reprographic Departments).

These models bring the following capabilities to end-users:

- Print and Copy Speeds using LTR (letter-sized) paper:

	imageRUNNER ADVANCE			
	C9280 PRO	C9270 PRO	C7270	C7260
B&W (Black and White)	Up to 80 ppm (pages-per-minute)	Up to 70 ppm	Up to 70 ppm	Up to 60 ppm
Color	Up to 70 ppm	Up to 65 ppm	Up to 60 ppm	Up to 55 ppm

- Single pass duplexing document feeder with B&W duplex scanning speeds of up to 200 ipm (images per minute) and color duplex scanning speeds of up to 140 ipm, and 300-sheet capacity (20 lb bond (80 g/m²))
- Control Panel:
 - The imageRUNNER ADVANCE C9200 PRO Series have a large 10.4" high-resolution TFT screen (800 x 600 pixels), tilt-and-swivel control panel
 - The imageRUNNER ADVANCE C7200 Series has an 8.4" SVGA TFT screen (800 x 600 pixels). An optional 10.4" high-resolution tilt-and-swivel TFT screen (800 x 600 pixels) control panel is available for the imageRUNNER ADVANCE C7200 Series.
- Standard 160 GB hard disk drive, with an option to expand the machine's memory to 1 TB
- Finishing options, such as a staple or booklet finisher, professional puncher, document insertion unit, paper folding unit, inner booklet trimmer, or an external booklet trimmer
- The imageRUNNER ADVANCE C9200 PRO Series and imageRUNNER ADVANCE C7200 Series supports papers sizes up to 13" x 19 1/4"
- Optional paper sources enable the imageRUNNER ADVANCE C9200 PRO Series to hold up to 9,300 sheets and the imageRUNNER ADVANCE C7200 Series to hold up to 6,900 sheets
- True 1,200 dpi printing at the engine's rated speed

- Standard USB memory support. The USB port has been moved on the imageRUNNER ADVANCE C9200 PRO Series machines from the upright control panel to the side of the front panel inside the right corner box. The USB port can be used for scanning, printing, or direct printing from a USB memory stick.
- Induction Heating Technology for quick warm up times and first copy output times
- Standard Universal Send and UFR II printing
- The pQ Toner, an oil-free toner that produces sharp, vivid, dense images and a smooth finish.
- The imageRUNNER ADVANCE C9200 PRO Series and imageRUNNER ADVANCE C7200 Series machines are EPEAT (Electronic Product Environmental Assessment Tool) GOLD qualified.
- As an Energy Star Partner, Canon U.S.A., Inc. has determined that the imageRUNNER ADVANCE models meet the Energy Star guidelines for energy efficiency¹
- The ability to activate optional software products via the LMS (License Management System). Refer to the [LMS](#) section herein for further details.

B. New Features

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines offer the following new system, performance, and environmental features:

- Enhanced user authentication capabilities
- OOXML Scan to PowerPoint/Word support with enhanced authentication for Send and HDD batch deletion
- Quick startup and high-speed RIP (new controller)
- Energy Saver key and improved handling of originals
- Remote/Auto Shutdown and Weekly Shutdown Timer support
- Toner signal alarm (pre-toner low alarm and toner bottle count up alarm)
- Faster firmware upgrade time with the Parallel Update feature
- Ability to duplicate the same settings on one machine, and then install these settings on multiple other machines
- Use of a temporary data storage function by making a backup in the Service mode

¹ If any options are installed, the device may no longer be ENERGY STAR qualified.

Table 1 – Model Comparison

Features			imageRUNNER ADVANCE			
			C9280 PRO	C9270 PRO	C7270	C7260
Print Speed (LTR)	BW		Up to 80 ppm	Up to 70 ppm	Up to 70 ppm	Up to 60 ppm
	Color		Up to 70 ppm	Up to 65 ppm	Up to 60 ppm	Up to 55 ppm
Optimum Copy Volume (copies/prints) (Approximately)			30,000 – 150,000	30,000 – 110,000	30,000 – 80,000	30,000 – 70,000
Scan Speed (LTR, 300 dpi)	Simplex	B&W	Up to 120 ipm			
		Color				
	Duplex	B&W	Up to 200 ipm			
		Color	Up to 140 ipm			
Scan Speed (LTR, 600 dpi) ²	Simplex / Duplex	B&W	Up to 120 ipm			
		Color	Up to 70 ipm			
FCOT (Platen Glass) (Approximately)	BW		Up to 4.4 seconds	Up to 4.9 seconds		
	Color		Up to 6.0 seconds	Up to 6.6 seconds		
Warm-Up Time (Approximately)	From Power On		Up to 31 Seconds			
	From Sleep Mode		Up to 30 Seconds			
	Quick Startup Mode		Up to 7 Seconds (with 160 GB HDD) ³			
Main Memory	Standard / Maximum		2 GB / 2.5 GB			
HDD Memory	Standard / Maximum		160 GB / 1 TB			
DADF	Standard		Single-Pass Duplexing ADF			
	Capacity		Up to 300 sheets			
Multiple Copies			1-9,999			
Print Resolution			1200 x 1200 dpi			
Upright Control Panel			Standard		Optional	
Toner Yield (@5.0% Coverage, LTR)	Black		Up to 72,000		Up to 80,000	
	Color		Up to 54,000		Up to 52,000	
Drum Yield (LTR)	Black		Up to 530,000	Up to 550,000		Up to 500,000
	Color		Up to 174,000		Up to 164,000	
Power Requirements			208V / 60Hz / 15A		120V / 60 Hz / 20A	
Plug Type			NEMA 6-15P		NEMA 5-20P	
Paper Capacity	Standard		Up to 3,400 Sheets		Up to 3,400 Sheets	
	Maximum		Up to 9,300 Sheets		Up to 6,900 Sheets	
Maximum Paper Size			13" x 19.2"			
Paper Weight	Cassettes		14 lb bond to 80 lb cover (52 to 220 g/m ²)			
	Deck					
	Multi-Purpose Tray		Plain paper: 14 lb bond to 110 lb cover (52 to 300 g/m ²) Coated Paper: 28 lb bond to 110 lb cover (106 to 300 g/m ²)			
Available Paper Supply Options	Paper Deck-Unit-C1 (Up to 3,500 sheets)		Option		Option	
	POD Deck Lite-A1 (Up to 3,500 sheets)		Option		Option	
	Multi-Drawer Paper Deck-A1 (Up to 6,000 sheets)		Option		Not Available	

2 Requires the optional Additional Memory Type-D (512 MB).

3 Up to 10 Seconds when equipped with a 1 TB HDD

Table 1 – Model Comparison Continued

Features		imageRUNNER ADVANCE			
		C9280 PRO	C9270 PRO	C7270	C7260
Copy		Standard			
Store	Mail Box	Standard			
	Advanced Box	Standard			
	USB Media Support	Standard (Scan) ⁴			
Print	imagePASS (Embedded)	Optional imagePASS-A2 ^{5,6}			
	ColorPASS (Server)	Optional ColorPASS-GX400 ^{5,6}			
	UFR II	Standard			
	PCL	Optional: <ul style="list-style-type: none"> • PCL Printer Kit-AS1⁷ • imagePASS-A2^{5,6} 			
	Direct Print	Standard: (JPEG, TIFF)			
		Optional: <ul style="list-style-type: none"> • Direct Printer Kit (for PDF/XPS)-H1⁶, (PDF, XPS) • PS Printer Kit-AS1^{5,6}, (PDF only) 			
PostScript	Optional: <ul style="list-style-type: none"> • PS Printer Kit-AS1^{6,7} • imagePASS-A2^{5,6} • ColorPASS-GX400^{5,6} 				
Send	Universal Send	Standard			
	PDF High Compression	Standard			
	Searchable PDF	Standard			
	OOXML	Standard			
	PDF Advanced Feature Set	Optional ⁸			
	PDF Security Feature Set	Optional ⁹			
	PDF Digital User Signature	Optional			
Fax	Single Line	Optional w/Super G3 FAX Board-AD2			
	2 nd Line	Optional w/Super G3 2 nd Line Fax Board-AD1			
	3 rd /4 th Line	Optional w/Super G3 3 rd /4 th Line Fax Board-AE1			
	Remote Fax	Optional w/Remote Fax Kit-A1			
Network		Standard Ethernet 1000Base-T/100Base-TX/10Base-T Optional Wireless LAN w/Silex Wireless Bridge			
Remote UI		Standard			
MEAP Capability		Standard			
AMS (Access Management System)		Standard			

4 The optional Multimedia Reader/Writer adds support for SD Card, Compact Flash, Memory Stick, and Micro Drive.
 5 PCL Printer Kit-AS1, PS Printer Kit-AS1. imagePASS-A2 and ColorPASS-GX400 cannot be installed at the same time.
 6 Requires Additional Memory Type D (512MB).
 7 Cannot be installed with ColorPASS-GX400 or imagePASS-A2 controller.
 8 Includes Trace & Smooth PDF, and PDF with Adobe Reader Extensions format support.
 9 Includes Digital Device Signature (PDF/XPS) and Encrypted PDF modes.

Table 2 – Options

Features	imageRUNNER ADVANCE			
	C9280 PRO	C9270 PRO	C7270	C7260
Paper Deck Unit-C1	Optional			
POD Deck Lite-A1	Optional			
Multi Drawer Paper Deck-A1	Optional		Not Available	
Staple Finisher-K1	Optional		Not Available	
Booklet Finisher-K1	Optional		Not Available	
Inner Booklet Trimmer-A1	Optional		Not Available	
Document Insertion Unit-H1	Optional		Not Available	
Paper Folding Unit-G1	Optional		Not Available	
Puncher Unit-BF1	Optional		Not Available	
Professional Puncher-C1 (With Integration Unit)	Optional		Not Available	
Staple Finisher-L1	Not Available		Optional	
Booklet Finisher-L1	Not Available		Optional	
External 2/3 Hole Puncher-A1	Not Available		Optional	
Document Insertion Unit-J1	Not Available		Optional	
Document Insertion / Folding Unit-G1	Not Available		Optional	
Canon PCL Printer Kit AS1	Optional			
Canon PS Printer Kit-AS1	Optional			
imagePASS-A2	Optional			
ColorPASS-GX400	Optional			
Copy Tray-P1	Optional			

C. Main Unit Box Contents

Note: Box contents shown are for reference purposes only and are subject to change without notice.


Table 3 – Box Contents (Main Unit Only)

<ul style="list-style-type: none"> • Main Unit • Drum cartridge (Bk) • Drum cartridge (C) • Drum cartridge (M) • Drum cartridge (Y) • e-Manual • Setup Guide • Basic Operating Guide • Upright Control Panel Set (imageRUNNER ADVANCE C9280 PRO/9270 PRO Only) 	<ul style="list-style-type: none"> • Before Using This Machine • Instructions for unpacking the developing unit • imageWARE Enterprise Management Console CD • UFR II User Software CD (E) • AMS KIT • Correction Notice
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D. Configuration

Note: All configurations shown are for *reference purposes only* and are subject to change without notice. Please refer to the Dealer Price List on the ISG Central Website for the most up-to-date Item Numbers.

Table 4 – imageRUNNER ADVANCE C9200 PRO Series Configuration

Item	Item Number ¹⁰
	
imageRUNNER ADVANCE C9200 PRO Series	
imageRUNNER ADVANCE C9280 PRO Base Model ^{11, 12}	5771B011AA
imageRUNNER ADVANCE C9270 PRO Base Model ^{11, 12}	5772B009AA
imageRUNNER ADVANCE C9280 PRO Printer Model ^{13, 12}	5771B012AA
imageRUNNER ADVANCE C9270 PRO Printer Model ^{13, 12}	5772B010AA


¹⁰ Item Numbers and Part Numbers are subject to change without notice.

¹¹ Ships standard with 2 x 1,100-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFR II Printing, Color Universal Send with PDF High Compression, Access Management System, Single Pass Duplexing Automatic Document Feeder, Color Image Reader, Buffer Pass Unit, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, Color Network ScanGear and Drum Units. Please note Color Image Reader with Single Pass Duplexing Automatic Document Feeder is shipped separately.

¹² Requires Copy Tray-P1, Staple Finisher-K1 or Booklet Finisher-K1.

¹³ Ships standard with 2 x 1,100-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFR II Printing, Access Management System, Printer Cover, Buffer Pass Unit, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, and Drum Units. Please note Printer Cover is shipped separately.

Table 5 – imageRUNNER ADVANCE C7200 Series Configuration

Item	Item Number ¹⁰
	
imageRUNNER ADVANCE C7200 Series	
imageRUNNER ADVANCE C7270 Base Model ^{14, 15}	5774B009AA
imageRUNNER ADVANCE C7260 Base Model ^{14, 15}	5775B009AA
imageRUNNER ADVANCE C7270 Printer Model ^{16, 17}	5774B010AA
imageRUNNER ADVANCE C7260 Printer Model ^{16, 17}	5775B010AA

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

¹⁴ Ships standard with 2 x 1,100-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFR II Printing, Color Universal Send with PDF High Compression, Access Management System, Single Pass Duplexing Automatic Document Feeder, Color Image Reader, Buffer Pass Unit, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, Color Network ScanGear and Drum Units. Please note Color Image Reader with Single Pass Duplexing Automatic Document Feeder is shipped separately.

¹⁵ Requires Copy Tray-P1, Staple Finisher-L1 or Booklet Finisher-L1.

¹⁶ Ships standard with 2 x 1,100-Sheet Paper Drawers, 2 x 550-sheet Paper Cassettes, UFR II Printing, Access Management System, Printer Cover, Buffer Pass Unit, 10/100/1000 BaseTX Ethernet, USB 2.0 high speed connectivity, and Drum Units. Please note Printer Cover is shipped separately.

¹⁷ Requires Copy Tray-P1, Staple Finisher-L1 or Booklet Finisher-L1.

Table 6 – Hardware Accessories

Hardware Accessory Options			
Item	imageRUNNER ADVANCE		Item Number ¹⁰
	C9200 PRO Series	C7200 Series	
Paper Deck Unit-C1 ¹⁸	✓	✓	3880B002BA
POD Deck Lite-A1 ¹⁸	✓	✓	3692B002AB
Multi-Drawer Paper Deck-A1 ¹⁸	✓	--	3699B002AB
Paper Deck Double Feeding Detection Kit-A1 (for Multi-Drawer Paper Deck-A1)	✓	--	3111B001AA
Staple Finisher-K1 ¹⁹	✓	--	5787B002AA
Booklet Finisher-K1 ¹⁹	✓	--	5788B002AA
Puncher Unit-BF1 ²⁰	✓	--	2895B002AA
Professional Puncher-C1 with Professional Puncher Integration Unit-B1	✓	--	3842B006AA
Plastic Comb 19-Hole Punch LTR-A1 ²¹	✓	--	3028B001AA
Twin Loop 21-Hole Punch LTR-A1 ²¹	✓	--	3028B002AA
Twin Loop 32-Hole Punch LTR-A1 ²¹	✓	--	3028B003AA
Color Coil 44-Hole Punch LTR-A1 ²¹	✓	--	3028B004AA
Velo Bind 11-Hole Punch LTR-A1 ²¹	✓	--	3028B005AA
Loose Leaf 3-Hole Punch LTR-A1 ²¹	✓	--	3028B006AA
Loose Leaf 5-Hole Punch LTR-A1 ²¹	✓	--	3028B022AA
Pro Click 32-Hole Punch LTR-A1 ²¹	✓	--	3028B021AA
High Durability Plastic Comb 19-Hole Punch LTR-A1 ²¹	✓	--	3028B006AA
High Durability Color Coil 44-Hole Punch LTR-A1 ²¹	✓	--	3028B022AA
High Durability Loose Leaf 3-Hole Punch LTR-A1 ²¹	✓	--	3028B021AA
Document Insertion Unit-H1 ²²	✓	--	3708B002AA
Paper Folding Unit-G1 ²²	✓	--	3711B001AA
Inner Booklet Trimmer-A1	✓	--	2988B001AA
Staple Finisher-L1	--	✓	5789B001AA
Booklet Finisher-L1	--	✓	5790B001AA
External 2/3 Hole Puncher-A1	--	✓	3705B002AA
Document Insertion Unit-J1	--	✓	3709B001AA
Document Insertion/Folding Unit-G1	--	✓	3710B002AA

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

¹⁸ Paper Deck Unit-C1, POD Deck Lite-A1 or Multi-drawer Paper Deck-A1 cannot be installed at the same time.

¹⁹ Staple Finisher-K1, Booklet Finisher-K1 or Copy Tray-P1 cannot be installed at the same time.

²⁰ Option for Staple Finisher-K1 or Booklet Finisher-K1. Installs inside finisher.

²¹ Optional Punch die for Professional Puncher-C1. Only one die can be installed at a time. Please check the appropriate product reference materials for information regarding life expectancy of the die.

²² Requires Staple Finisher-K1 or Booklet Finisher-K1.

Table 6 – Hardware Accessories Continued

Hardware Accessory Options			
Item	imageRUNNER ADVANCE		Item Number ¹⁰
	C9200 PRO Series	C7200 Series	
Tab Feeding Attachment Kit-B1 ²³	✓	✓	6793A004AA
Copy Tray-P1 ¹⁹	✓	✓	3700B001AA
Utility Tray-A2 ²⁴	✓	✓	3723B002AA
Upright Control Panel-D1 Set (for imageRUNNER ADVANCE C7270/C7260)	--	✓	5796B016AA
USB Key Board (Cherry)	✓	✓	1266V426
Universal Keyboard Stand-A1	✓	✓	2212V477
Card Reader Assembly for Universal Keyboard Stand ²⁵	✓	✓	2212V478
Key Switch Unit-B1	✓	✓	3873B001AA
Copy Card Reader-F1 ²⁶	✓	✓	4784B001AA
Copy Card Reader Attachment Kit-A2	✓	✓	3730B002AA
Canon Card Set-A1 (1-30)	✓	✓	4781B001AA
Canon Card Set-A2 (31-100)	✓	✓	4781B002AA
Canon Card Set-A3 (101-200)	✓	✓	4781B003AA
Canon Card Set-A4 (201-300)	✓	✓	4781B004AA
Canon Card Set-A5 (301-500)	✓	✓	4781B005AA
Canon Card Set-A6 (501-1000)	✓	✓	4781B006AA
Braille Label Kit-F1	✓	✓	7518A004AA
ADF Access Handle-A1	✓	✓	1095B001AA
Convenience Stapler-B1	✓	✓	1727B838

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

²³ Additional Tab Feeding Attachment for cassettes 3 or 4.

²⁴ Cannot be installed if Multi-Drawer Paper Deck-A1 is installed.

²⁵ Attaches to the Universal Keyboard Stand-A1 for card reader authentication.

²⁶ Requires the Copy Card Reader Attachment Kit-A2

Table 7 – System Accessories

System Accessories		
Item	Box Item Number ¹⁰	eLAN Item Number ²⁷
PCL Printer Kit-AS1 ²⁸	--	5798B003AA
Canon PCL International Font Set-A1	--	4821B003AA
PS Printer Kit-AS1 ^{28 29}	--	5799B005AA
Direct Print Kit (for PDF/XPS)-H1 ²⁹	--	3674B004AA
Encrypted Secure Print Software-D1	--	1337B011AA
Barcode Printing Kit-D1 ³⁰	--	3999B004AA
Web Access Software-H1 ³¹	--	2738B007AA
imagePASS-A2 ^{29, 32, 33,}	5347B001AA	--
Graphic Arts Productivity Package (for imagePASS-A2)	7752A025AA	--
ColorPASS-GX400 ^{32, 29, 34}	5829B001AA	--
SeeSequence Compose	2351B003AA	--
SeeSequence Impose (for imagePASS-A2 & ColorPASS-GX400)	6596A035AA	--
SeeSequence Suite	6596A037AA	--
Removable Hard Disk Drive Kit-B1 (for ColorPASS-GX400)	0134B003AA	--
Graphic Arts Feature Premium Feature Set v2.2	7752A022AA	--
X-Rite Eye-One (for imagePASS-A2 & ColorPASS-GX400)	8002A004AB	--
X-Rite i1 iO Automated Scanning Table	3438B013AA	--
i1iSis Automated Chart Reader	8002A006AA	--
i1iSis Automated Chart Reader - XL	8002A007AA	--
X-Rite i1 Process Control Software	3438B020AA	--
i1 Process Control Software & i1iSis Automated Chart	8002A008AA	--
i1 Process Control Software & i1iSis Automated Chart Reader - XL	8002A009AA	--
Integrated Interface & Stand-A1 (for ColorPASS-GX400) ³⁵	1099V652	--
Universal Send Advanced Feature Set-F1	--	3405B016AA
Universal Send Secure Feature Set-D1	--	3406B006AA

10 Item Numbers and Part Numbers are subject to change without notice.

27 The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

28 Cannot be installed with ColorPASS or imagePASS controller.

29 Requires Additional Memory Type D (512MB).

30 Requires PCL Printer Kit-AS1.

31 Requires PS Printer Kit-AS1 or Direct Print Kit (for PDF/XPS)-H1 when printing PDF files.

32 Cannot be installed with PCL Printer Kit-AS1 and PS Printer Kit-AS1. imagePASS-A1 and COLORPASS-GX300 cannot be installed at the same time.

33 Ships standard with Hot Folder V3.0 and Paper Catalog Kit.

34 Ships standard with Hot Folder V3.0, Graphic Arts Feature Set V2.2, Paper Catalog Kit, Secure Erase V1.1 and VDP Kit.

35 Comes with 22" LCD monitor, keyboard and mouse.

Table 7 – System Accessories Continued

System Accessories		
Item	Box Item Number ¹⁰	eLAN Item Number ²⁷
Universal Send Digital User Signature Kit-C1 ³⁶	--	1326B013AA
Authorized Send Kit V4.1.2 (1 License)	--	3194B013AA
Authorized Send Kit v4.1.2 (10 License)	--	3194B014AA
Authorized Send Kit v4.1.2 (100 License)	--	3194B015AA
Super G3 FAX Board-AD2	3732B009AA	--
Super G3 2nd Line Fax Board-AD1 ³⁷	3733B002AA	--
Super G3 3rd/4th Line Fax Board-AE1 ³⁸	3677B002AA	--
Remote FAX Kit-A1 ³⁹	--	3679B005AA
Secure Watermark-B1	--	1082B010AA
Silex Wireless Bridge SX-2500CG	8034B002AA	--
USB Device Port-A2	3738B002AA	--
Multimedia Reader/Writer-A2 ⁴⁰	3721B002AA	--
Additional Memory Type D (512MB)	5595B001AA	--
Document Scan Lock Kit-B1	3840B007AA	--
HDD Data Encryption & Mirroring Kit-C7 ⁴¹	3718B004AA	--
Removable HDD Kit-AH1	8041B001AA	--
2.5inch/160GB HDD-G1 ⁴²	5596B001BA	--
2.5inch/1TB HDD-L1	8215B001AA	--
Voice Guidance Kit-F2 ⁴³	3681B003AA	--
Voice Operation Kit-C2 ⁴³	3682B004AB	--
Remote Operator's Software Kit-B1	--	4001B004AA
Serial Interface Kit-K1 ⁴⁴	3725B001AA	--
Copy Control Interface Kit-A1 ^{44, 45}	3726B001AA	--

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

²⁷ The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

³⁶ SSO-H settings are required.

³⁷ Requires Super G3 FAX Board-AD2.

³⁸ Requires Super G3 FAX Board-AD2 and Requires Super G3 2nd Line FAX Board-AD1.

³⁹ Cannot be installed with Super G3 FAX Board-AD2.

⁴⁰ Requires USB Device Port-A2.

⁴¹ HDD Mirroring feature requires two hard drives, either one additional 2.5inch/160 GB HDD-A1 with standard 160 GB HDD or two 2.5inch/1 TB HDD-B1 replacing standard 160 GB HDD.

⁴² 160 GB HDD for mirroring functionality only, cannot be used to increase storage.

⁴³ Voice Guidance Kit-F2 and Voice Operation Kit-C2 cannot be installed at the same time.

⁴⁴ Serial Interface Kit-K1 and Copy Control Interface Kit-A1 cannot be installed at the same time.

⁴⁵ Cannot be installed if Card Reader-C1 is installed.

Table 8 – Supplies and Consumables

Supplies & Consumables	
Item	Item Number ¹⁰
Stamp Ink CRG-C1	1857B001AA
Stamp Unit-B1	1858B001AA
Staple-N1 (for Staple Finisher-K1 & Booklet Finisher-K1) ⁴⁶	1007B001AA
Staple-P1 (for Booklet Finisher-K1) ⁴⁷	1008B001AA
Staple Cartridge-J1 (for Staple Finisher-L1 & Booklet Finisher-L1)	6707A001AC
Staple Cartridge-D2 (for Booklet Finisher-L1)	0250A002AD

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

Table 9 – Drum and Toner

Drum and Toner	
Item	Item Number ¹⁰
GPR-32/33 Black Drum Unit	2780B003AA
GPR-46 Color Drum Unit	6370B004AA
GPR-32 Black Toner (imageRUNNER ADVANCE C9280 PRO/C9270 PRO)	2791B003AA
GPR-32 Cyan Toner (imageRUNNER ADVANCE C9280 PRO/C9270 PRO)	2795B003AA
GPR-32 Magenta Toner (imageRUNNER ADVANCE C9280 PRO/C9270 PRO)	2799B003AA
GPR-32 Yellow Toner (imageRUNNER ADVANCE C9280 PRO/C9270 PRO)	2803B003AA
GPR-33 Black Toner (imageRUNNER ADVANCE C7270/C7260)	2792B003AA
GPR-33 Cyan Toner (imageRUNNER ADVANCE C7270/C7260)	2796B003AA
GPR-33 Magenta Toner (imageRUNNER ADVANCE C7270/C7260)	2800B003AA
GPR-33 Yellow Toner (imageRUNNER ADVANCE C7270/C7260)	2804B003AA

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

⁴⁶ Used for corner/double stapling only. Three cartridges per case, up to 5,000 staples per cartridge.

⁴⁷ Used for booklet finishing only. Two cartridges per case, up to 5,000 staples per cartridge.

II. Hardware Accessory Options

A. Common Accessory Options for the imageRUNNER ADVANCE

1. Paper Deck Unit-C1



- Provides an additional paper capacity of approximately 3,500 sheets (20 lb bond (80 g/m²))
- Supports LTR-sized paper only (from 14 lb bond to 80 lb cover (52 to 220 g/m²))
- No support for coated or tab paper, or double-feed detection

2. POD Deck Lite-A1



- Provides an additional paper capacity of approximately 3,500 sheets (20 lb bond (80 g/m²)).
- Supports paper sizes up to 13" x 19" (from 14 lb bond to 110 lb cover (52 to 300 g/m²)).
- Includes air-assisted and roller pickup paper feeding
- No support for coated or tab paper, or double-feed detection.

3. Tab Feeding Attachment Kit-B1

- Can only be installed in Paper Drawers 3 or 4.
- Enables the user to feed LTR tab paper into the machine for copies or prints.

4. Copy Card Reader-F1



- Supports up to 200 departments or users.
- Performs Department ID Management automatically. Users must insert a control card to access the machine.
- Requires the optional Copy Card Reader Attachment Kit-A2.

B. Accessory Options for the imageRUNNER ADVANCE C9200 PRO Series

1. Multi Drawer Paper Deck-A1



- Provides an additional paper capacity of approximately 6,000 sheets (20 lb bond (80 g/m²)).
- Supports paper sizes up to 13" x 19.2" (from 14 lb bond to 110 lb cover (52 to 300 g/m²)).
- Includes air assisted and roller pick up & paper feed
- Optional double-feed detection

2. Staple Finisher-K1



- Contains three trays, which hold approximately 4,250 sheets (LTR, 20 lb bond (80 g/m²)) (Sample Tray: 250 sheets, Top Tray: 1,500 sheets, and Bottom Tray: 2,500 sheets).
- Can corner or double staple approximately 100 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Attach the optional Puncher Unit-BF1 to provide hole punch capabilities.
- Supports up to 110 lb. Cover (300 g/m²)
- Cannot be installed with the Booklet Finisher-K1

3. Booklet Finisher-K1



- Contains three trays, which hold approximately 4,250 sheets (LTR, 20 lb bond (80 g/m²)) (Sample Tray: 250 sheets, Top Tray: 1,500 sheets, and Bottom Tray: 2,500 sheets).
- Can corner or double staple approximately 100 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Can saddle stitch approximately 20 sheets (13" x 19 1/4") and V-fold up to three sheets without stapling.
- Supports up to 110 lb. Cover (300 g/m²)
- Attach the optional Puncher Unit-BF1 to provide hole punch capabilities.
- Attach the optional Inner Booklet Trimmer-A1 to provide one side booklet trimming capabilities
- Cannot be installed with the Staple Finisher-K1

4. Inner Booklet Trimmer-A1



- Connects to the Booklet Finisher-K1
- Provides adjustable front trimming of saddle-stitched booklets from 2 mm to 20 mm (up to 40 sheets)
- The Booklet Tray can hold approximately 40 booklets.
- Has a trim waste capacity of up to 1,500 trimmed sheets

5. Puncher Unit-BF1



- Provides 2- to 3-hole punch capabilities for either the Staple Finisher-K1 or Booklet Finisher-K1
- Supports 2-hole punch for LGL and LTRR paper and 3-hole punch for 11" x 17" and LTR
- Supports paper weights from 14 lb bond to 110 lb cover (52 to 300 g/m²)

6. Professional Puncher-C1 and Professional Puncher Integration Unit-B1



- Provides users with a variety of punch patterns, which are available as die sets (easily replaced by the end-user).
- Can produce offline plastic spiral bound books.
- Supports LTR size paper up to 80 lb cover (220 g/m²).

7. Document Insertion Unit-H1



- Inserts pre-printed cover sheets or insertion sheets for binding.
- Contains an upper tray and a lower tray. Both trays can hold approximately 200 sheets each (up to 400 sheets total)
- Supports paper sizes from LTR to 13" x 19" (14 lb bond to 110 lb cover (52 to 300 g/m²)).

8. Paper Folding Unit-G1



- Enables users to Z-fold, Inner C-fold, Outer C-fold, 4-fold, and V-fold documents.
- Supports paper weights Z-fold/C-fold/Outer C-fold/V-fold (14 lb bond to 28 lb bond (52 to 105 g/m²)) and 4-fold (14 lb bond to 24 lb bond (52 to 90 g/m²)).

C. Accessory Options for the imageRUNNER ADVANCE C7200 Series

1. Staple Finisher-L1



- Contains three trays, which hold approximately 4,000 sheets (LTR, 20 lb bond (80 g/m²)) (Sample Tray: 250 sheets, Top Tray: 1,300 sheets, and Bottom Tray: 2,450 sheets).
- Can corner or double staple approximately 50 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Attach the External 2/3 Hole Puncher-A1 to provide hole punch capabilities.
- Supports up to 110 lb Cover (300 g/m²)
- Cannot be installed with the Booklet Finisher-L1

2. Booklet Finisher-L1



- Contains three trays, which hold approximately 4,000 sheets (LTR, 20 lb bond (80 g/m²)) (Sample Tray: 250 sheets, Top Tray: 1,300 sheets, and Bottom Tray: 2,450 sheets).
- Can corner or double staple approximately 50 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Can saddle stitch approximately 16 sheets (12" x 18") and V-fold up to one sheet.
- Imposition is performed only on a booklet job containing more than 3 pages
- Supports up to 110 lb Cover (300 g/m²)
- Attach the External 2/3 Hole Puncher-A1 to provide hole punch capabilities.
- Cannot be installed with the Staple Finisher-L1

3. External 2/3 Hole Puncher-A1



- Provides 2- to 3-hole punch capabilities
- Supports 2-hole punch for LGL and LTRR paper and 3-hole punch for 11" x 17" and LTR
- Supports paper weights from 14 lb bond to 140 lb index (52 to 256 g/m²)

4. Document Insertion Unit-J1



- Inserts pre-printed cover sheets or insertion sheets for binding
- Contains one tray that can hold approximately 100 sheets
- Supports paper sizes from LTR to 13" x 19" (14 lb bond to 140 lb index (52 to 256 g/m²))

5. Document Insertion / Folding Unit-G1



- Inserts pre-printed cover sheets or insertion sheets for binding
- Contains one tray that can hold approximately 100 sheets
- Supports paper sizes from LTR to 13" x 19" (14 lb bond to 140 lb index (52 to 256 g/m²))
- Enables users to Z-fold up to 11" x 17", and C-fold LTRR documents from 14 lb bond to 28 lb bond (52 to 105 g/m²)

6. Upright Control Panel-D1



- An option for the imageRUNNER ADVANCE C7270/C7260 machines only.
- The large screen display enables the user to operate the machine more efficiently. The user can also adjust the position and angle of the control panel.

III. System Options

The functionality of the imageRUNNER ADVANCE C9200 PRO Series and imageRUNNER ADVANCXE C7200 Series can be expanded by installing the following system related optional accessories.

A. Copy and Print Options

1. PCL Printer Kit-AS1

- Supports the PCL5c/6 emulation printing solutions.
- Supports printing in true 1,200 x 1,200 dpi resolution with the Canon PCL6 Printer Driver.
- Requires license activation via the LMS.

2. PS Printer Kit-AS1

- Supports the PostScript 3 printing solution.
- Required to print PDF, PS, and EPS files stored in memory media, the Advanced Box, or the Advanced Box of another imageRUNNER ADVANCE machine on the network.
- Requires the Additional Memory Type D (512 MB) installed.
- Supports printing in true 1,200 x 1,200 dpi resolution.
- Requires license activation via the LMS.

3. PCL International Font Set-A1

- Provides Andalé font support for the PCL driver.
- Enables the user to print in four Asian languages: Japanese, Chinese, Korean, and Taiwanese.
- Requires the PCL Printer Kit-AS1.
- Requires license activation via the LMS.

4. Barcode Printing Kit-D1

- Provides the ability to print 1D and 2D barcodes on output.
- Requires the PCL Printer Kit-AS1.
- Requires license activation via the LMS

5. imagePASS-A2

- An external print controller that attaches to the back of the C9200 PRO/C7200 Series machines, and supports Adobe Genuine PostScript 3 and PCL5c printer languages.
- Suited for office environments in which larger print volumes are frequently processed.
- Comes standard-equipped with Command Workstation, Hot Folders, and Paper Catalog Kit.

 **IMPORTANT**

- Requires the Additional Memory Type D (512 MB) installed.
- Cannot be used with the Encrypted Secure Print Software-D1 or the Job Hold function
- Cannot be installed with the ColorPASS-GX400

6. ColorPASS-GX400

- An external print controller for the imageRUNNER ADVANCE C9200 PRO/C7200 Series machines, and supports Adobe Genuine PostScript 3.
- Suited for CRD and Print-For-Pay markets that require print on demand functions or high-speed RIPs with workflow utilities. This controller is also suitable for users that require color adjustment functions.
- Comes standard-equipped with Command Workstation software, Hot Folder v3.0, Graphic Arts Feature Set v2.2, Paper Catalog Kit, Secure Erase v1.1 and the VDP Enhancement Kit.

 **IMPORTANT**

- Requires the Additional Memory Type D (512 MB) installed.
- Cannot be used with the Encrypted Secure Print Software-D1.
- Cannot be installed with the imagePASS-A2.

7. Direct Print Kit (for PDF/XPS)-H1

- Enables the user to print PDF and XPS files directly from the Remote UI.
- Users can also print PDF files from memory media and the Advanced Box.
- Requires license activation via the LMS.
- Requires the Additional Memory Type D (512 MB) installed.

8. Secure Watermark-B1

- Enables the user to embed hidden text in the background of copies. The embedded text becomes visible when copies of the document are made on a copier.
- Requires license activation via the LMS.
- Cannot be used with the Document Scan Lock Kit-B1.

B. Universal Send and Fax Options

1. Universal Send Advanced Feature Set-F1

- Enables the user to make Trace & Smooth PDF and Adobe Reader Extensions PDF files.
- Requires license activation via the LMS.

2. Universal Send Security Feature Set-D1

- Enables the user to encrypt PDF and Digital Device Signature PDF/XPS files, as well as set a password to send them safely to a file server or e-mail address.
- Enables the recipient of a PDF or Digital Device Signature PDF/XPS file to verify which device scanned the file.
- Requires license activation via the LMS.

3. Universal Send Digital User Signature Kit-C1

- Enables the user to add a digital user signature obtained from a certificate authority to a PDF or XPS file. This enables the recipient of a PDF or XPS file to verify which user signed it.
- Requires license activation via the LMS.

4. Super G3 FAX Board-AD2

- Provides a single line to send and receive fax documents.
- Documents that have been created in applications can also be sent directly from a computer via a network.

5. Super G3 2nd Line Fax Board-AD1

- Provides two lines to send and receive fax documents.
- Requires the Super G3 FAX Board-AD2.

6. Super G3 3rd/4th Line Fax Board-AE1

- Provides up to four lines to send and receive fax documents.
- Requires the Super G3 FAX Board-AD2 and Super G3 2nd Line Fax Board-AD1.

7. Remote FAX Kit-A1

- Enables the user to share the Fax function, if there is an imageRUNNER ADVANCE machine (with the Remote Fax Kit installed) and another imageRUNNER ADVANCE machine (that has the Super G3 FAX Board-AD2 installed), on the same network.
- If the above condition is true, then fax documents can be sent and received remotely between the two machines.
- Requires license activation via the LMS.
- Cannot be installed with the Super G3 FAX Board-AD2 .

C. Connectivity Options

1. Web Access Software-H1

- Enables the user to view Web pages from the touch panel display of the machine.
- If PDF files are registered on the Web page, the user can print them from the machine without using a computer. Moreover, if a Web page or special content is created, and then registered as a PDF file, the Web page or special content can be shared with other users.
- To print PDF files from Web pages, the optional PS Printer Kit or Direct Print Kit (for PDF/XPS) must be installed.

2. Remote Operator's Software Kit-B1

- Enables the user to access the machine's control panel and specify settings or process jobs from a computer (located on the same network as the machine) remotely.
- Requires license activation via the LMS.

3. USB Device Port-A2

- Adds two USB ports to the machine so a third-party card reader or the optional Multimedia Reader/Writer-A2 can be used for additional media support.

4. Multimedia Reader/Writer-A2

- Enables the user to use SD, Compact Flash, Memory Stick, and Micro Drive memory media for direct print and scan to store operations.
- Requires the optional USB Device Port-A2.

D. Data Security and Wireless Options

1. Encrypted Secure Print Software-D1

- Enables the user to encrypt print data sent from a computer by using the Secured Print function, and then decrypt it at the device.
- Requires license activation via the LMS.



IMPORTANT

The Encrypted Secure Print Software cannot be used with the imagePASS-A2.

2. iR-ADV Security Kit-E1 for IEEE 2600.1 Common Criteria Certification Set

- Enables the user to configure security settings that are required to comply with the IEEE 2600.1 standard.
- Includes the IEEE 2600 License Certificate, Bootable CD with certified system software, IEEE 2600 User Manual CD, Installation Manual, and HDD Data Encryption & Mirroring Kit.
- Cannot be used with the Super G3 Fax Board (2nd and 3rd/4th lines), Direct Print Kit, Remote Operators Software Kit, Web Access Software, Multimedia Reader/Writer, and some MEAP applications.

Note: Not available at the time of the imageRUNNER ADVANCE C9200 PRO/C7200 Series product launch

3. Silex Wireless Bridge SX-2500CG

- Enables 10/100BASE-TX wired devices to operate in 802.11b/g wireless LAN networks.

4. HDD Data Encryption & Mirroring Kit-C7

- Includes both encryption and mirroring capabilities.
- Encrypts all image data and device settings before storing them on the hard drive.
- The mirroring function provides redundancy when used with an additional hard disk drive of the same storage capacity.
- Requires the optional 2.5 inch/160 GB HDD, or two 2.5 inch/1 TB HDDs for the mirroring capability.



IMPORTANT

Installing the HDD Data Encryption & Mirroring Kit (after the machine is installed and operational), requires the machine's system software to be updated. This reformats the entire hard drive, and all data previously stored on the hard disk drive is deleted. Accordingly, it is strongly recommended that all of the data stored on the hard disk drive of the machine be backed up prior to installing the HDD Data Encryption & Mirroring Kit.

5. Removable Hard Disk Kit-AH1

- Enables the hard disk of the machine to be removed while the machine is unattended or not in use.
- Provides a layer a data security for government agencies and corporate enterprises who need to ensure that the data stored on the hard disk is physically secured when the machine is no longer in use.
- Includes a carrying case and a key to enable easy removal and storage.

6. Removable Hard Disk Drive Kit-B1

- Enables the hard disk of the ColorPASS-GX400 to be removed for storage while the controller is unattended or not in use.
- Provides a layer a data security for government agencies and corporate enterprises who need to ensure that the data stored on the Hard disk is physically secured when the controller is not in use.

7. Document Scan Lock Kit-B1

- Enables the user to embed hidden user information or copy restriction information in the output when documents are copied or printed.
- Enforces the policies written to track information embedded in the document to prevent users from performing restricted tasks, such as copying, sending, scanning, or storing specific documents (Scan Lock function), and identifies the user that output the document (Tracking function).
- Requires license activation via the LMS.
- Cannot be used with the optional Secure Watermark-B1 and the Job Hold function.

8. 2.5 inch/160 GB HDD-G1

- Required for the HDD Mirroring function when the HDD Data Encryption & Mirroring Kit is installed.
- Does not increase the overall storage capacity of the machine.

9. 2.5 inch/1 TB HDD-L1

- Required to replace the machine's standard 160 GB hard disk drive to increase the HDD capacity to 1 TB.
- If the machine is configured with the optional HDD Data Encryption & Mirroring Kit, an additional 2.5 inch/1 TB HDD must be added to enable the Mirroring capability of the primary drive.

E. Memory Options

1. Additional Memory Type D (512 MB)

- Expands the memory Capacity of the imageRUNNER ADVANCE to 2.5 GB.
- Required to enable the functions of the optional PS Printer Kit-AS1, Direct Print Kit-H1 (for PDF/XPS), imagePASS-A2, and ColorPASS-GX400.

2. 2.5 inch/1 TB HDD-L1

- Required to replace the machine's standard 160 GB hard disk drive to increase the HDD capacity to 1 TB.
- If the machine is configured with the optional HDD Data Encryption & Mirroring Kit or HDD Mirroring Kit and the 2.5 inch/1 TB HDD, an additional 2.5 inch/1 TB HDD must be added to enable the Mirroring capability of the primary drive.

F. Accessibility Options

1. Voice Guidance Kit-F2

- Provides visually impaired users to hear voice navigation instructions when operating the machine.

2. Voice Operation Kit-C2

- Provides visually impaired users to hear voice navigation instructions when operating the machine.
- Includes a voice recognition function, which enables the user to set various functions of the machine by using their own voice.

3. ADF Access Handle-A1

Attaches to the Automatic Document Feeder to enable seated users to open the document feeder.

IV. Document Storage Capabilities

The imageRUNNER ADVANCE C9200 PRO Series and imageRUNNER ADVANCE C7200 Series machines offer four built-in storage methods (Mail Box, Advanced Box, Network, and Memory Media) with flexible linkage to external systems for storing scanned documents and accessing stored files.

IMPORTANT

- Canon U.S.A., Inc. is not responsible for any damages caused to user data that is stored on the hard disk drive of the machine. It is the customer's responsibility to create and maintain a data back up plan. Canon U.S.A., Inc. offers several security options to enhance document handling and storage security needs. See "[System Options.](#)" on p. 21.
- It is strongly recommended to back up the data stored on the hard disk drive.

A. Mail Box

The Mail Box is a data storage area that stores and handles files for printing.

The Mail Box function enables users to store files that are scanned with this machine, or data sent from a personal computer via the printer driver. The stored files can be printed anytime using the desired settings. Also, the file format of the scanned documents can be converted into another format, such as TIFF, PDF, and JPEG, to send via e-mail or fax by using the Send function. Up to 100 mailboxes can be used, and a name or password can be set for each mailbox. In addition, various editing features are available, such as merging separately stored files into one file, and erasing unnecessary pages from a file.

B. Advanced Box

Advanced Box is a storage area in the machine that stores scanned documents and Microsoft Office files that can be used on a computer. There are two types of storage in the Advanced Box: the Shared Space and the Personal Space.

Documents can be scanned with this machine, stored in the PDF, JPEG, or TIFF file format, and can also be printed on this machine at any time with the desired print settings.

The Advanced Box can be opened to the public as an SMB (Server Message Block) server or WebDAV (Distributed Authoring and Versioning) server. This enables the user to access the Advanced Box from a computer, and store and share files in their native format, such as MS Word, Excel, and PowerPoint. To view and print these native format files from the Advanced Box, the user must access them via a computer.

The standard storage space for the Advanced Box is approximately 15 GB. However, the standard Advanced Box storage capacity can be increased to 629 GB if the optional 2.5 inch/1 TB HDD is installed.

1. Shared Folders

- An open access storage space. Ideal as a shared storage space by multiple users (for example, team, group, or department members).
- Subfolders can be created.
- Up to 1,000 files/folders (main and sub) can be saved in each level.

2. Personal Folders

- Access is restricted to the set user only. Authentication must be set up to enable a personal folder.
- Subfolders can be created.
- Up to 1,000 files/folders (main and sub) can be saved in each level.



IMPORTANT

It is strongly recommended to protect the Advanced Box folders from viruses. If the user's computer system has an antivirus system in place, add the Advanced Box folders to its list of folders to scan and protect.

C. Network

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines are equipped with a collaboration function that enables them to be connected to other imageRUNNER ADVANCE machines via the SMB/WebDav protocol. When one machine is connected to another machine, a user can select an Advanced Box in the other machine (if it is on the network) to store files or print a file that is stored in the other machine on this machine.

D. Memory Media

Scan to USB memory media support is standard on the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines. Users can attach a USB memory stick to the USB port to scan and store documents in the PDF, JPEG, or TIFF file format. Users can also print files stored in the memory media from an imageRUNNER ADVANCE C9200 PRO / C7200 Series machine at any time with the desired print settings.

The optional Multimedia Reader/Writer-A2 is required to access other types of media, such as SD card, SDHC card, Compact Flash card, and Microdrive memory media. For more information, see [“Multimedia Reader/Writer-A2,”](#) on p. 24.

Administrators can also restrict scanning to and printing from memory media independently to safeguard sensitive and confidential information.

V. Security Features

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines include a comprehensive set of security features, such as Device Authentication, Data Security, Document Security, and Network Security.

A. Device Authentication

There are two ways to authenticate users at the device: via Department ID Management and SSO-H (Single Sign-On H).

1. Department ID Management

Register a Department ID and password for each department, and manage the machine by limiting its use to only those who enter the correct Department ID and password. Department IDs and passwords for up to 1,000 departments can be registered. Use Department ID Management to keep track of the copy, scan, and print totals for each department.

2. SSO-H

A user authentication system that enables the functions of the machine and MEAP applications to be used by a user after being authenticated once. SSO-H has two compatible user authentication systems (Domain Authentication and Local Device Authentication). Domain Authentication is linked to a domain controller in a Windows Active Directory environment on a network. Local Device Authentication uses a database inside the machine to authenticate users. Administrators can use one of these two systems or both at the same time.

The AMS (Access Management System) works with the SSO-H login service, and is standard on the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines. AMS requires that an Administrator controls and restricts access to the device via a user's device-level login or a function-level login credentials.

- **Device-Level Login:** The Administrator assigns permissions to users, based on their individual roles (Administrator, Power User, General User, Limited User, and Guest). Up to 1,000 users can be registered, and users must enter their login credentials at the machine to gain access.
- **Function-Level Login:** The Administrator assigns users privileges to access specific device functions, such as Copy, Print, Send, and Fax. The user can access the machine, but are restricted to using only certain functions that the Administrator assigns.

3. Card Reader Solutions

The imageRUNNER ADVANCE system supports card authentication solutions. These solutions can be combined with Department ID management and the SSO-H login service.

B. Data Security

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines offer several ways to protect and secure data. It is strongly recommended that a back up and security system is in place, along with an antivirus protection system to make sure that no data on the hard disk drives are lost, stolen, or compromised.

There are several security methods available from Canon U.S.A., Inc. that appropriately addresses a customer's needs for securing data.

- Customer Accessible HDD Initialization Function (Initialize All Data/Settings) and standard HDD Data Erase Kit
- Optional Document Scan Lock Kit
- imageRUNNER ADVANCE Trusted Platform Module
- Optional Security Kit (HDD Encryption & Mirroring Kit)
- Optional Removable Hard Disk Kit

CAUTION

Canon U.S.A., Inc. is not liable for any damages resulting from the loss or corruption of data. (See “DISCLAIMER,” on page ii for further details.)

1. Initialize All Data/Settings Function

The Initialize All Data/Settings function is a standard function on all Canon devices. This setting is available in the Management Mode, to which the system administrator must authenticate. Performing this function, erases all user information on the hard disk drive of the machine (e.g., contact information, Advance Box and Mail Box data, network settings, and image data).

IMPORTANT

The Initialize All Data/Settings function deletes the FAT (File Allocation Table) and overwrites the target HDD data area up to nine times with random data (depending on the system administrator settings).

2. HDD Data Erase Kit

The standard HDD Data Erase Kit is for environments that require additional data security measures. The HDD Data Erase Kit automatically overwrites image data that is written to the hard drive following each job performed at the machine. Image data is overwritten up to three times with random data, depending on the preferences set by the system administrator. Other settings for the overwrite kit include the ability to overwrite once with null data and overwrite once with random data.

 **IMPORTANT**

Increasing the amount of times the HDD Data Erase Kit overwrites data, results in a loss of job productivity.

3. Document Scan Lock Kit

The Document Scan Lock Kit embeds an invisible code over the entire surface of a printed document, which identifies which printer printed the document, and enables the user to track who printed the document. The Document Scan Lock system is tamper resistant, and if someone tries to copy the document, the Document Scan Lock system checks to see if the person has the proper permissions to reproduce it. A password may be required to enable the reproduction of the document. For more information on the Document Scan Lock Kit, see [“Document Scan Lock Kit-B1,”](#) on p. 26.

4. TPM (Trusted Platform Module)

TPM is a standard security chip (tamper resistant hardware) installed in the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines. The TPM provides a facility for the secure generation of cryptographic keys, encrypts information stored on the internal HDD, and decrypts information read from the internal HDD. The public keys to encrypt confidential information are securely controlled by the TPM chip, and they can only be decrypted if the TPM releases the associated decryption key. If the HDD is removed from the machine, it will be difficult to retrieve data off that HDD since the encryption key for that data is stored in a separate location within the TPM.

 **CAUTION**

Once the TPM setting is activated, if the end user fails to back up the TPM key, or if the end user loses the TPM key, it may result in permanent, unrecoverable data loss, for which Canon U.S.A., Inc. is not liable. (See [“DISCLAIMER,”](#) on p. [ii](#) for further details.)

 **IMPORTANT**

- If the TPM setting is activated and the TPM chip fails, the confidential information stored on the chip can only be recovered if Canon’s service representative replaces the TPM chip and restores the original TPM key to the new chip. Immediately, back up the TPM key on a USB memory stick, after the TPM setting is activated.
- Only the Administrator of the machine can back up the TPM key.
- For security reasons, the TPM key can only be backed up once. Store the USB memory with the back up data in a safe place.

- For the back up of the TPM key, it is recommended that a USB memory stick (supported system file: FAT32) with free space of 10 MB or more is used.
- The TPM seals the hardware components associated with the data, and the data cannot be accessed unless the specific TPM key is issued by the TPM chip. Therefore, setting the TPM mode to 'On', may affect service procedures and service costs (if not handled properly). It is strongly recommended that the Administrator who has access to the TPM key be present for all service calls to prevent the loss of data and productivity of the machine.

5. HDD Data Encryption & Mirroring Kit

The optional HDD Encryption feature is another security tool available for environments requiring additional data security measures, and can be used in conjunction with the HDD Data Erase feature to provide even greater security for data stored on the internal HDD. The HDD encryption chip is Common Criteria Certified (EAL level 3), and applies 256-bit AES (Advanced Encryption Standard) encryption to all data prior to being written on the HDD. This adds an additional layer of security to files stored on the HDD. The Mirroring function provides redundancy when utilized with an additional hard disk drive of the same storage capacity. This preserves company data if one hard disk drive fails. For more information on the HDD Data Encryption & Mirroring Kit, see [“HDD Data Encryption & Mirroring Kit,”](#) on p. 25.

6. Removable Hard Disk Kit (for the Main Engine)

The optional Removable Hard Disk Kit provides the capability to physically remove the hard disk drive from the machine so it may be placed in a secure location. The hard disk drive can easily be removed for secure storage on a frequent basis, and can easily be reinstalled for normal machine use. This option provides another layer of data security for government agencies and corporate enterprises that need to ensure that data stored on the hard disk is physically secure when the machine is not in use. For more information on the Removable Hard Disk Drive Kit, see [“Removable Hard Disk Kit-AH1”](#) on p. 26.

7. Removable Hard Disk Drive Kit (for the ColorPASS GX-400)

The optional Removable Hard Disk Drive Kit provides the capability to physically remove the hard disk drive from the ColorPASS-GX400 controller so it may be placed in a secure location. The hard disk drive can easily be removed for secure storage on a frequent basis, and can easily be reinstalled for normal machine use. This option provides another layer of data security for government agencies and corporate enterprises that need to ensure that data stored on the hard disk is physically secure when the machine is not in use. For more information on the Removable Hard Disk Drive Kit, see [“Removable Hard Disk Drive Kit-B1”](#) on p. 26.

8. Audit Log

An audit log is a chronological sequence of audit records that automatically tracks every action undertaken by end-users, developers, and administrators for the system (Who does what and when). These records are used to monitor system usage to determine compliance with regulations, security standards, enterprise policies, etc., as well as to prove usage effectiveness as audit trails.

C. Document Security

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines offer several document security modes to protect printed and distributed documents.

1. PDF Visible Digital Signature

The PDF Visible Signatures mode enables the user to view the device signature and user signature on a PDF file. Visible digital signatures and user signatures are displayed on the first page of the PDF file to account for the origin of the document. The system administrator of the machine can set the Visible Signatures mode for all PDF documents or certain PDF documents created on the machine. This mode differentiates from the Digital Signature mode in that instead of having to access digital signature information from the document properties from the File menu, this information is displayed prominently on the first page of the document in the background, and is printed along with the document data, thereby deterring improper distribution of sensitive documents.

2. Adobe LiveCycle Rights Management ES Server Integration

Adobe LiveCycle enables Administrators to set automatic document privileges and apply security policies by creating Policy Protected PDF files on the machine, even after document creation, using the Adobe LiveCycle Rights Management ES Server. Once a Policy Protected PDF document is created on the machine with this feature enabled, the PDF extension in Adobe Reader, upon attempt by a user to open a protected PDF, contacts the Rights Management Server to check the latest authorized users, expiration, auditing, and watermarking policies set by the administrator. These latest policies are then enforced by that application to ensure the information in that document remains secure.



IMPORTANT

- To generate a PDF linked with Adobe LiveCycle Rights Management ES Server, the Adobe LiveCycle Rights Management ES Server must be licensed, pre-configured by a system administrator, and the machine must be connected to the Intranet or Internet.

- Encrypted PDF and PDF/A-1b documents are not compatible with Adobe LiveCycle Rights Management ES Server.

3. **imageWARE Secure Audit Manager Express**

imageWARE Secure Audit Manager Express is an optional solution that captures and archives the contents and attributes of all jobs performed on imageRUNNER ADVANCE devices to provide an audit trail. Administrators have the ability to continuously track and archive network wide activity details. This information is stored in a Windows folder. When integrated with uniFLOW, imageWARE Secure Audit Manager Express monitors activities to track specific keywords set by the administrator and automatically alerts the administrator via e-mail whenever these keywords are printed, copied, scanned, faxed, or sent.

D. **Network Security**

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines secure network communications by using IPSec (IP Security), filtering by port number, wireless security, and network port and application control.

1. **IPSec**

The IPSec protocol is standard on the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines. It ensures that information and communications over the network remain private by encrypting all inbound and outbound network traffic.

2. **Filtering by Port Number**

Port number filtering permits or rejects data packets from entering specific port numbers or a range of port numbers. Also, IP address filters to outbound connections can be applied. For example, if functions, such as Remote Copy and Universal Send are used, system administrators can block or restrict users from sending files to specific IP addresses. This minimizes the risk of data from being sent out of the company to systems that are not trusted.

3. **Wireless Security and Authentication**

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines support IEEE 802.1x and IEEE 2600.1 (optional), which provide port-based authentication and security to WLANs (Wireless Local Area Networks).

Authentication involves communications between a supplicant, authenticator, and authentication server. The supplicant is authentication software on a client device. The client device (the imageRUNNER ADVANCE C9200 PRO / C7200 Series machine) needs the supplicant to provide credentials, such as user names/passwords or digital certificates, to the authenticator (a wireless access point). The authenticator then forwards the credentials to the authentication server

(generally a RADIUS database) for verification. If the credentials are valid in the authentication server database, the client device is allowed to access resources located on the protected side of the network.

4. Network Port and Application Access Control

Network Port and Application Access Control enables system administrators to set up only the necessary protocols, such as IPP, FTP, SNTP, SNMP, RAW, LPD, and others for transferring data. These protocols can be switched on and off. The administrator can also disable unneeded services, protocols, ports, and the potential paths of attack so that attacks on the machine can be minimized.

5. IPv6

The imageRUNNER ADVANCE Series supports Internet Protocol Version 6 (IPv6), which is a network layer protocol designated as the successor to IPv4 for general use on the Internet. Support for IPv6 adds extended business value to the imageRUNNER ADVANCE Series.

VI. Software Solutions

This chapter describes the optional software solutions that can be purchased to enhance the end user's experience and interaction with imageRUNNER ADVANCE machines. The various software solutions include document management and binding software, scan management, print/output management, device security, and business workflow software.

A. Document Management and Binding Software

1. imageRUNNER ADVANCE Desktop

A client-based device dashboard application to operate document publishing, management, and printing from an end-user's PC. In addition, this desktop application can be used with Canon's new imageWARE Document Server application in cases where customers want to share documents that are managed across workgroups or departments.

2. imageRUNNER ADVANCE Quick Printing Tool

The imageRUNNER ADVANCE Quick Printing Tool is a new standard feature within imageRUNNER ADVANCE Desktop. The Quick Printing Tool enables the end-user to print, fax, convert documents to PDF files, or open PDF documents in Desktop Binder via a drag-and-drop action without needing to open imageRUNNER ADVANCE Desktop. The user can also monitor the status of inbound and outbound print and fax jobs, as well as apply print templates automatically, or preview documents before printing via the Desktop Binder option.

3. imageWARE Document Server

imageWARE Document Server is an office document sharing server application. It connects multiple imageRUNNER ADVANCE Desktop utilities for end-users to collaborate and share information over the network. ImageWARE Document Server provides the following functionalities:

- Document Management
 - Check-in/check-out
 - Version control
 - Full text and index search capabilities
- User Authentication
 - User/group management
 - Simple user access control
 - Full control for Administrators, such as editing, modifying, and reading documents
- Record a history of who accessed which documents (audit trail)
- Web-based administration tools accessible via Internet Explorer

4. imageWARE Scan Manager DS

imageWARE Scan Manager DS is a document capture solution that features transaction document archiving capabilities that can be personalized according to the scan volume and skill level of each user, and one-step capture, indexing, processing, and release operations.

5. eCopy PDF Pro Office

ePPO (eCopy PDF Pro Office) is a network to desktop office scanning solution that enables end-users to create and share PDFs, edit PDF files, and convert PDF files into searchable, editable, and fully-formatted Microsoft Office or Corel WordPerfect files. ePPO also enables the user to tag PDF files for accessibility and Section 508 compliance.

6. Therefore

Therefore is an information management application that enables an organization to structure business-critical information for storage, management, as well as capture and process business information efficiently, economically, and securely. Therefore is expandable, and can adapt to any department within an organization.

B. Scan Management Software

1. Workflow Composer and Connectors

Workflow Composer enables the user to simplify imageRUNNER ADVANCE workflow processes by customizing multiple-step workflow functions into one-button operations. The one-button operations are available from the Quick Menu of the UI (User Interface). MEAP connectors for SMB (Server Message Block) and FTP (File Transfer Protocol) file delivery, inclusive of document indexing, come standard on the new imageRUNNER ADVANCE models, while connectors for imageWARE Document Server and SharePoint Server 2007 are available as options.

2. Authorized Send

Authorized Send is a MEAP application, which enables walk-up users to distribute documents quickly and securely. Authorized Send is an adaptable solution that integrates and authenticates with a wide variety of authentication servers and enterprise systems using common protocols. Authorized Send permits only authorized users to scan and send documents to e-mail addresses, network file servers/folders, and fax servers. An end-user is able to specify scan settings, such as the paper size, resolution, brightness, and file format.

3. uniFLOW (Scanning)

uniFLOW enables users to capture and compress scanned data, customize workflows for each document type or per user, and archive documents.

4. **Cloud Portal for imageRUNNER ADVANCE**

imageRUNNER ADVANCE office system end-users have access to Google Docs and Microsoft SharePoint Online cloud services from the machine's UI. End-users can scan hard-copy documents into Google Docs or Microsoft SharePoint Online, as well as print documents stored in these programs. To scan, store, or print documents, users need to log on to the cloud service from the touch panel display of the imageRUNNER ADVANCE machine—no PC or laptop is required.

NOTE:

- The Direct Printer Kit (for PDF/XPS)-H1 or PS Printer Kit-AS1 is required.
- The optional Additional Memory Type D (512 MB) is required to use the Direct Printer Kit (for PDF/XPS)-H1 or PS Printer Kit-AS1

5. **eCopy ShareScan**

eCopy ShareScan is an enterprise-ready, office scanning software solution that enables imageRUNNER ADVANCE devices to turn paper documents into digital data that can be edited, managed, and stored electronically.

C. **Print/Output Management Software**

1. **Canon Mobile Printing**

Canon Mobile Printing is an application available for the Apple iPhone and iPad that enables mobile printing to imageRUNNER ADVANCE devices as well as Canon Multi-Function and Single Function devices. The Canon Mobile Printing application includes print and finishing options for the mobile end-user. This application is available at no charge and does not require additional accessories or MEAP applications to operate.

The Canon Mobile Printing application is ideal for corporate and SMB environment end-users that require a method to print without the need to disrupt current print workflows or add hardware or software. Canon Mobile Printing supports a variety of file formats including image, photo, PDF, document files and web page file formats.

2. **Direct Print & Scan for Mobile**

Direct Print & Scan for Mobile is a combination of a MEAP application that runs on an imageRUNNER ADVANCE device and a client mobile application that runs on certain BlackBerry smartphones and Apple iPhone and iPad devices.

The Direct Print & Scan for Mobile application enables users to print documents, e-mail messages, attachments, and images to an imageRUNNER ADVANCE machine, as well as load scanned data from the imageRUNNER ADVANCE machine to their mobile device.

NOTE:

- The Direct Printer Kit (for PDF/XPS)-H1 or PS Printer Kit-AS1 is required to print
- The optional Additional Memory Type D (512 MB) is required to use the Direct Printer Kit (for PDF/XPS)-H1 or PS Printer Kit-AS1

3. uniFLOW

uniFLOW is a print/output management solution that can be customized to meet the needs of an organization. uniFLOW offers an organization of any size, a way to track printing and copying costs, secure sensitive documents, and enable users to print from any available printer on the network.

4. AA-PRINT (Advanced Anywhere-Print)

The AA-PRINT solution combines Universal Login Manager with secure anywhere printing. It is designed to provide a serverless print environment that enables end-users to print and track usage from anywhere within the network to any connected device by submitting their respective authentication credentials.

5. EFI PrintMe

EFI PrintMe is a cloud-based mobile print solution for the imageRUNNER ADVANCE Series that enables end-users to print electronic files from their mobile devices, such as smartphones, tablets, and laptops to a Canon imageRUNNER ADVANCE device through the EFI PrintMe Cloud Service. Files uploaded to the EFI PrintMe Cloud Server are secured with 128-bit encryption. Walk-up end-users can print documents from the EFI PrintMe Cloud Service to a registered imageRUNNER ADVANCE device that is connected to the Internet.

6. Universal Login Manager

The Universal Login Manager (ULM) is a MEAP application developed by NT-ware for imageRUNNER ADVANCE devices to provide a serverless solution for simple user authentication with image login and proximity card login support. The ULM application utilizes the native capabilities of the imageRUNNER ADVANCE for personalization, and delivers basic usage and cost reporting functionality. The ULM also utilizes the Access Management System and is used as login application for AA-Print. The ULM can be upgraded to the full uniFLOW platform providing mobile printing and secure printing, advanced security, scanning workflows and a full automated statistics and reporting suite.

D. Device Security and Management Software

1. AA-PROX (Advanced Authentication – Proximity Card)

The AA-PROX solution is a login platform that authenticates walk-up end-users to the machine via a registered proximity card or by entering a user name and password. AA-PROX authenticates users against an Active Directory or local user database on devices, and can be combined with the AMS (Access Management System) and imageWARE ADVANCE Tracker to track usage and enforce access control to system functions.

2. imageRUNNER ADVANCE Tracker

imageRUNNER ADVANCE Tracker is a serverless output tracking and cost recovery solution designed specifically for the imageRUNNER ADVANCE Series. It tracks a user's device usage on a per function basis through Department IDs and Windows log on user names.

3. imageWARE Enterprise Management Console and Plug-ins

iW EMC (imageWARE Enterprise Management Console) is a Web-based network device management utility that enables IT managers to control and manage all devices installed on the network from one central location. IT managers can discover devices, view device status, manage device settings, and notify users of device errors via e-mail.

The capabilities of imageWARE Enterprise Management Console can be expanded by using optional plug-in applications, such as the Address Book Management Plug-In (enables an Administrator to retrieve an address book from one imageRUNNER ADVANCE device and deliver it to other imageRUNNER ADVANCE devices across the network).

The optional plug-ins are available for IT managers and dealers through <http://www.imageware.com>, or to the dealer only through Canon U.S.A.'s e-Support Center Web site www.support.cusa.canon.com.

4. uniFLOW Device Security & Management

uniFLOW, the print/output management solution, includes multiple authentication methods to enable an organization to restrict machine access and functions on a per user basis. uniFLOW end-users must authenticate themselves either by entering their user name and password, or by using a smart card, proximity or magnetic card.

5. uniFLOW Serverless Secure Print

uniFLOW Serverless Secure Print is a secure printing and follow-me printing option that utilizes the end-user's client PC to store secure print jobs until the end-user can authenticate and release the secure print jobs at an imageRUNNER ADVANCE device. The imageRUNNER ADVANCE device then pulls the print job from the end-user's client PC. uniFLOW Serverless Secure Print is scalable and upgradeable to the full version of uniFLOW.

6. imageWARE Secure Audit Manager Express

imageWARE Secure Audit Manager Express captures and archives the contents and attributes of all jobs performed on the device. This enables Administrators to continuously track and archive network activities.

7. MEAP Web

MEAP Web is a MEAP application that serves as an online client management tool. MEAP Web helps end-users configure and manage imageRUNNER ADVANCE hardware and software resources via the Web Access Software.

E. Business Workflow Software

1. Forms and Print Services for Salesforce

Forms and Print Services for Salesforce is a cloud service that enables users to print and store reports and graphic sales data directly to their imageRUNNER ADVANCE machine without the need for print drivers.

2. Enterprise Imaging Platform

Enterprise Imaging Platform enables users to automate document and image related business processes.

VII. Dealer Sales/Service Authorization

To become authorized and maintain authorization to sell and service the imageRUNNER ADVANCE C9200 Series and imageRUNNER ADVANCE C7200 Series, each Authorized Dealer location must have at least two (2) employees who have successfully completed the imageRUNNER ADVANCE C9200 Series Training Program and received certification.

VIII. Educational Training

A. Training Program Overview

The imageRUNNER ADVANCE C9200 PRO / C7200 Series training program consists of two learning paths, based on service technicians who are trained and certified on the predecessor imageRUNNER ADVANCE C9000PRO / C7000 Series models, and those who are not trained and certified (see Figures 1 and 2 below).

The “Update” learning path is specifically for service technicians who are already certified on the imageRUNNER ADVANCE C9000 PRO and C7000 Series machines, and enables technicians to identify the new features of the imageRUNNER ADVANCE C9200 PRO / C7200 series products. The “Blended” training courses provide technicians with the knowledge required for installing, configuring, servicing, and maintaining the imageRUNNER ADVANCE C9200 PRO / C7200 Series devices and respective accessories in the field.

Figure 1 – Learning Path for Technicians Not Certified on the imageRUNNER ADVANCE C9000 PRO / C7000 Series Machines

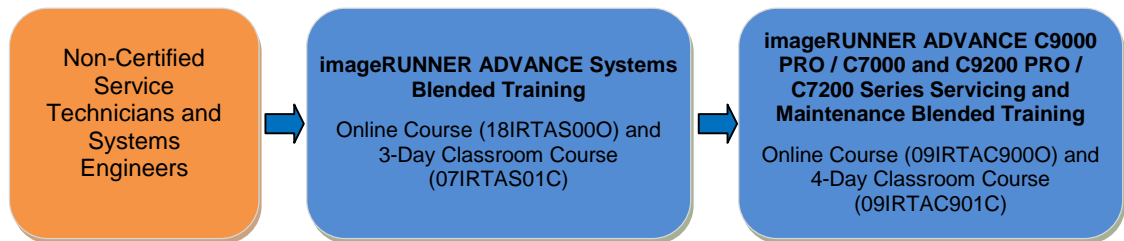
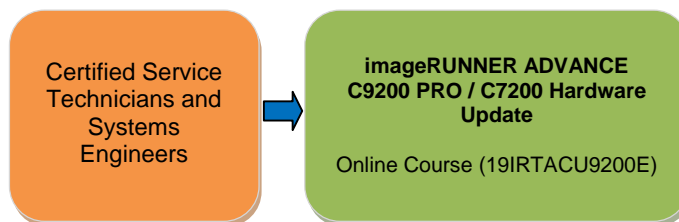


Figure 2 – Learning Path for imageRUNNER ADVANCE C9000 PRO / C7000 Series Certified Technicians



1. Learning Path for Non-Certified Technicians

Technicians can be certified on the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines by taking the Systems blended training course and Servicing and Maintenance Blended Training courses.

a. Online Course Modules

The online Systems and Hardware course modules are available on Canon USA’s e-Support Web site. These online courses provide technicians with the theoretical concepts to install, configure, and support the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines.

Table 10 – Online Course Modules

Course Name	Course Code ¹⁰	Required
imageRUNNER ADVANCE Systems	18IRTAS00O	Yes
imageRUNNER ADVANCE C9000 PRO / C9200 PRO and C7000/C7200 Servicing and Maintenance	09IRTAC900O	Yes

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

b. Classroom Courses

The 3-day Systems and 4-day Hardware classroom courses blend the information taught online with hands-on, practical training in the classroom and lab. Each student is provided the opportunity to assemble, disassemble, and install key machine components, as well as troubleshoot many areas of the machine and accessories.

Table 11 – Classroom Courses

Course Name	Course Code ¹⁰	Required
imageRUNNER ADVANCE Systems	07IRTAS01C	Yes
imageRUNNER ADVANCE C9000 PRO / C9200 PRO and C7000/C7200 Servicing and Maintenance	09IRTAC901C	Yes

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

2. Learning Path for imageRUNNER ADVANCE C9000 PRO / C7000 Series Certified Technicians

Technicians who are already certified on the imageRUNNER ADVANCE C9000 PRO / C7000 Series machines can take the updated imageRUNNER ADVANCE C9200 PRO / C7200 Series Hardware update course online.

Table 12 – Updated Online Course Modules for imageRUNNER ADVANCE C9000 PRO / C7000 Series Certified Technicians

Course Name	Course Code ¹⁰	Required
imageRUNNER ADVANCE C9200 PRO / C7200 Series Hardware Update	19IRTACU9200O	Yes

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

B. Prerequisites

Prior to taking the imageRUNNER ADVANCE C9200 PRO / C7200 Series Training program, technicians must successfully complete the Applied Technologies Learning course.

Table 13 – Prerequisite Courses

Course Name	Course Code ¹⁰	Required
Applied Technologies Online Course	07TAT00ONEW	Yes
Applied Technologies Classroom Course	07TAT01CNEW	Yes

¹⁰ Item Numbers and Part Numbers are subject to change without notice.

C. Certification

The successful completion of the imageRUNNER ADVANCE C9200 PRO / C7200 Series Training program and passing of the final assessment exam are required to sell this product.

Certification includes the following models:

- imageRUNNER ADVANCE C9280 PRO, C9270 PRO
- imageRUNNER ADVANCE C9075 PRO, C9065 PRO
- imageRUNNER ADVANCE C7270, C7260
- imageRUNNER ADVANCE C7065, C7055

D. Who Should Attend

It is highly recommended that any technician responsible for installing, servicing, or supporting the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines successfully complete the imageRUNNER ADVANCE C9200 PRO / C7200 Series Training program and pass the final assessment exam.

Note: Our current support policy dictates that only those technicians who have completed the training program and pass the final assessment exam are entitled to live, phone-based support through our TSC (Technical Support Center). However, self-service support (software downloads, knowledgebase articles, support forums, technical publications) is available through our e-Support Center Web site for all technicians. (Refer to the Technical Support section on the e-Support Web site for entitlement details.)

E. Training Facilities

1. Online Course Training Facilities

The online courses are located in the e-Learning center on Canon U.S.A., Inc.'s (hereinafter referred to as ("Canon USA")) e-Support Web site: <http://www.support.cusa.canon.com>. Certification maps on the e-Support Web site provide easy access to the training. The online courses can be conducted at any dealer facility that is suitable for online student learning. An imageRUNNER ADVANCE C9200 PRO or C7200 Series device must be available to enhance the learning experience.

2. Classroom Training Facilities

Classroom training is available in each of the five Canon Regional Training Centers:

- Jamesburg, New Jersey
- Norcross, Georgia
- Irving, Texas
- Itasca, Illinois
- Irvine, California

F. Course Equipment

- Windows workstation (Vista, XP, 2007, or higher)
- Microsoft Internet Explorer v7.0 or higher
- imageRUNNER ADVANCE C9200 PRO / C7200 Series device
- Applicable accessories (hardware and software)

G. Service Materials

The materials required for the imageRUNNER ADVANCE C9200 PRO / C7200Series Training Program are listed in the table below.

Table 14 – Service Materials

Model	Item	Location
imageRUNNER ADVANCE C9200 PRO / C7200 Series	e-Learning Training Program	Conducted online
	Service Manual	Downloadable from within the e-Learning course and the e-Support Center Web site
	Parts Catalog	

IX. Servicing Notes

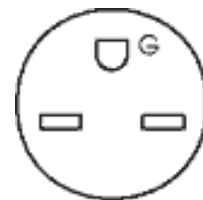
A. Power and Plug Requirements

Canon USA Inc. strongly suggests dedicated and properly grounded outlets be provided for these imageRUNNER ADVANCE devices.

- The imageRUNNER ADVANCE C9280 PRO / C9270 PRO Main Unit requires a dedicated single phase 208V/15A NEMA 6-15R receptacle for proper operation
- The imageRUNNER ADVANCE C7270 / C7260 Main Unit requires a dedicated single-phase 120V/20A NEMA 5-20R receptacle for proper operation.

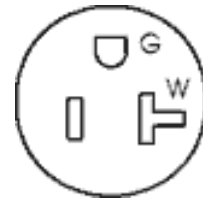
Table 15 – Power and Plug requirements

imageRUNNER ADVANCE C9200 PRO Series Main Unit



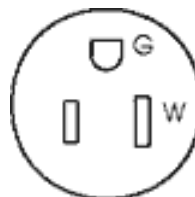
NEMA 6-15 Receptacle

imageRUNNER ADVANCE C7200 Series Main Unit



NEMA 5-20 Receptacle

Accessories / Controllers



NEMA 5-15 Receptacle

 **IMPORTANT**

- We recommend an additional standard 120 V/15 A outlet for service tools, such as a laptop computer or vacuum that may be used when servicing or configuring the machine.
- Use only dedicated and properly grounded outlets for the main unit and imagePASS / ColorPASS Controller. It is also strongly suggested to use dedicated and properly grounded outlets for each optional accessory. Do not use extension cords. The ground connection serves to provide the internal electronics with a reference voltage. Faulty or poor ground sources will cause this reference voltage to fall into a range that no longer serves as a reliable reference voltage. The internal logic and programming of the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines will not perform reliably because there is an insufficient difference between the internal operating signal voltages and the poor ground reference signal. A qualified electrician can measure and provide the ground source that the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines or any computer controlled office equipment requires.
- Before installation, confirm that all necessary receptacles are available.

Table 16 – Power and Plug Requirements for Main Unit and Accessories

Description	Power Supply	Power Supply Specifications
imageRUNNER ADVANCE C9200 PRO Series	208 V/15A outlet	NEMA 6-15
imageRUNNER ADVANCE C7200 Series	120 V/20 A outlet	NEMA 5-20
Paper Deck Unit-C1	From the Main Unit	N/A
POD Deck Lite-A1	120 V/15 A outlet	NEMA 5-15
Multi Drawer Paper Deck-A1	120 V/15 A outlet	NEMA 5-15
Staple Finisher-K1	120 V/15 A outlet	NEMA 5-15
Booklet Finisher-K1	120 V/15 A outlet	NEMA 5-15
Inner Booklet Trimmer-A1	From the Finisher	N/A
Document Insertion Unit-H1	120 V/15 A outlet	NEMA 5-15
Paper Folding Unit-G1	120 V/15 A outlet	NEMA 5-15
Puncher Unit-BF1	From the Finisher	N/A
Professional Puncher-C1 (With Integration Unit-B1)	120 V/15 A outlet	NEMA 5-15
Staple Finisher-L1	From the Main Unit	N/A
Booklet Finisher-L1	From the Main Unit	N/A
External 2/3 Hole Puncher-A1	From the Main Unit	N/A
Document Insertion Unit-J1	120 V/15 A outlet	NEMA 5-15
Document Insertion / Folding Unit-G1	120 V/15 A outlet	NEMA 5-15

Table 17 – Power and Plug Requirements for Controllers

Description	Power Supply	Power Supply Specifications
ColorPASS-GX400	120 V/15 A outlet	NEMA 5-15
imagePASS-A2	120 V/15 A outlet	NEMA 5-15

B. Installation Weight & Dimensions

The imageRUNNER ADVANCE C9200 PRO / C7200 Series approximate weight and dimensions differ depending on how it is configured with the optional accessories. The dimensions are for reference only and should not be confused with the required space for installation.

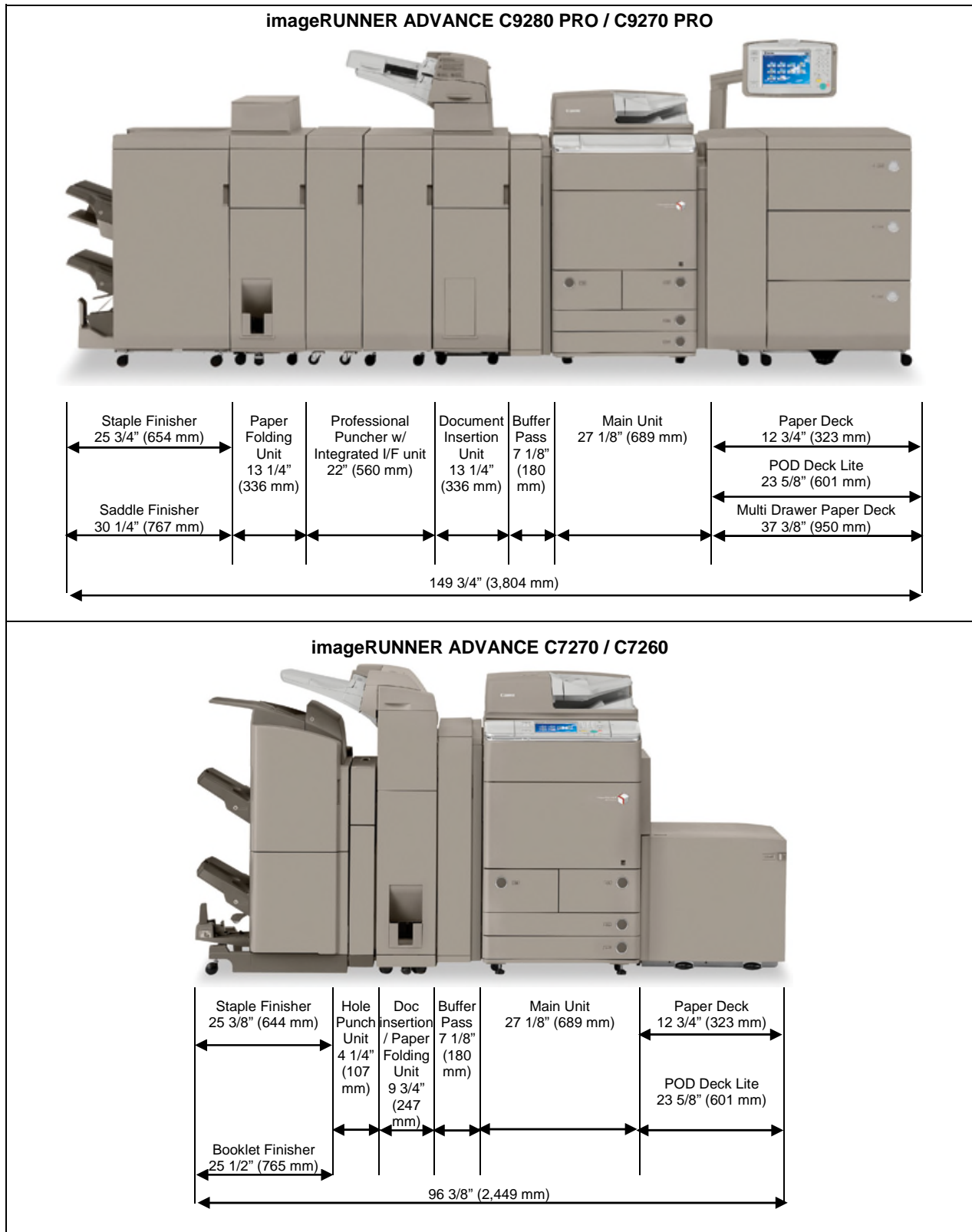
Table 18 – Approximate Weight

Component	Approximate Weight	
imageRUNNER ADVANCE C9280 PRO/ C9270 PRO	615 lb	279 Kg
imageRUNNER ADVANCE C7270/C7260	604 lb	274 Kg
Paper Deck Unit-C1	81.6 lb	37 Kg
POD Deck Lite-A1	110 lb	50 Kg
Multi-Drawer Paper Deck-A1	331 lb	150 Kg
Staple Finisher-K1	141 lb	64 Kg
Booklet Finisher-K1	243 lb	110 Kg
Professional Puncher-C1 / Integration Unit-B1	264.2 lb	120 Kg
Document Insertion Unit-H1	134 lb	61 Kg
Paper Folding Unit-G1	157 lb	71 Kg
Inner Booklet Trimmer-A1	7.05 lb	32 Kg
Staple Finisher-L1	106 lb	48 Kg
Booklet Finisher-L1	159 lb	72 Kg
External 2/3 Hole Puncher-A1	17 lb	7.7 Kg
Document Insertion Unit-J1	88.2 lb	40 Kg
Document Insertion / Folding Unit-G1	168 lb	76 Kg

Table 19 – Dimensions

Unit	Height		Width		Depth	
imageRUNNER ADVANCE C9280 PRO/ C9270 PRO	55 1/4"	1,403 mm	46 1/2"	1,180mm	36 3/4"	932 mm
imageRUNNER ADVANCE C7270/C7260	48 1/8"	1,221 mm	27 1/8"	689 mm	36 3/4"	932 mm
Buffer Pass Unit	X	X	7 1/8"	180 mm	X	X
Paper Deck Unit-C1	22 1/2"	570 mm	12 3/4"	323 mm	23"	583 mm
POD Deck Lite-A1	22 1/2"	570 mm	23 5/8"	601 mm	24 1/2"	621 mm
Multi-Drawer Paper Deck-A1	41"	1,040 mm	37 3/8"	950 mm	31 3/8"	797 mm
Staple Finisher-K1	41"	1,040 mm	25 3/4"	654 mm	30 1/8"	765 mm
Booklet Finisher-K1	41"	1,040 mm	30 1/4"	767 mm	30 1/8"	765 mm
Professional Puncher-C1 / Integration Unit-B1	41"	1,040 mm	22"	560 mm	31 1/4"	793 mm
Document Insertion Unit-H1	55 3/8"	1,407 mm	26 3/8"	746 mm	31 1/4"	793 mm
Paper Folding Unit-G1	46 7/8"	1,190 mm	13 1/4"	336 mm	31 1/4"	793 mm
Inner Booklet Trimmer-A1	15 7/8"	403 mm	9 7/8"	251 mm	24 5/8"	625 mm
Staple Finisher-L1	44 1/8"	1,121 mm	25 3/8"	644 mm	25 7/8"	656 mm
Booklet Finisher-L1	44 1/8"	1,121 mm	25 1/2"	646 mm	25 7/8"	656 mm
External 2/3 Hole Puncher-A1	32 1/2"	825 mm	4 1/4"	107 mm	24 1/4"	615 mm
Document Insertion Unit-J1	48 7/8"	1,242 mm	26 1/8"	662 mm	26 3/4"	679 mm
Document Insertion / Folding Unit-G1	48 7/8"	1,242 mm	26 1/8"	662 mm	26 3/4"	679 mm

Table 20 – Dimensions Diagram



C. Installation Space Requirements

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machine approximate installation space requirements may differ, depending on how the machine is configured and the optional accessories attached. Always ensure that there is enough space for service and operation of the device.

 **IMPORTANT**

- imageRUNNER ADVANCE C9200 PRO Series:
 - Keep the back of the machine at least 31.5" (800 mm) away from a wall if any of the following are installed:
 - Paper Folding Unit-G1
 - Professional Puncher-C1
 - Document Insertion Unit-H1
 - Multi Drawer Paper Deck-A1
 - For all other configurations, keep the back of the machine at least 4" (100 mm) away from a wall.
- imageRUNNER ADVANCE C7200 Series:
 - Keep the back of the machine at least 4" (100 mm) away from a wall.
- Make sure that approximately 19 3/4" (500 mm) of space is left around the front, left, and right sides of the machine for the proper servicing of the equipment.
- The floor must be level (with no bows) and flat for the stabilization and support of the machine.
- The minimum doorway opening that the machine passes through prior to installation must be at least 30 1/2" wide.
- The machine should not be moved once it is in place.
- Do not place anything around the machine. Especially, do not place anything around the breaker, as doing so may prevent access to the breaker in an emergency, possibly resulting in personal injury.

Table 21 – imageRUNNER ADVANCE C9200 PRO Series Installation Space

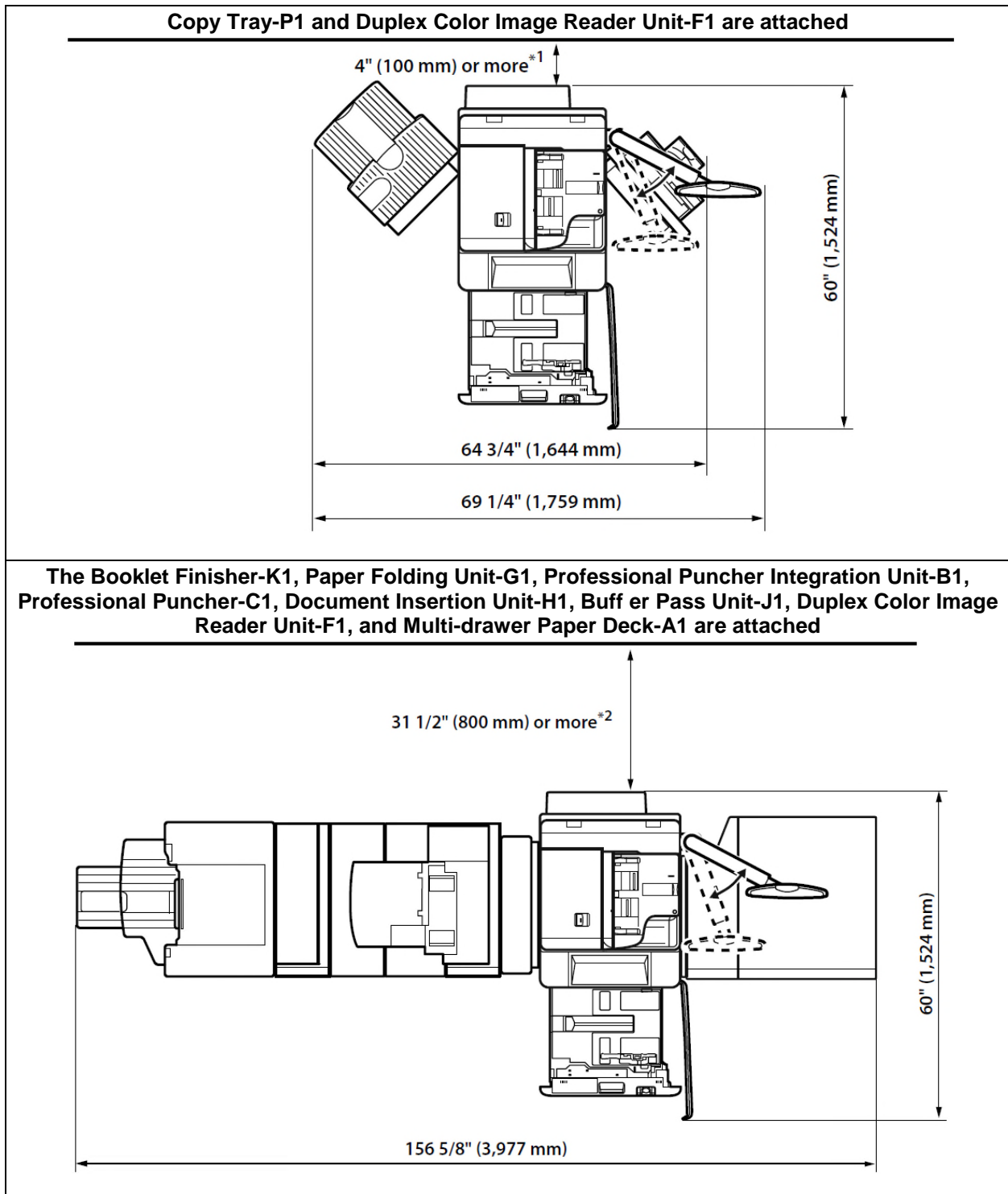
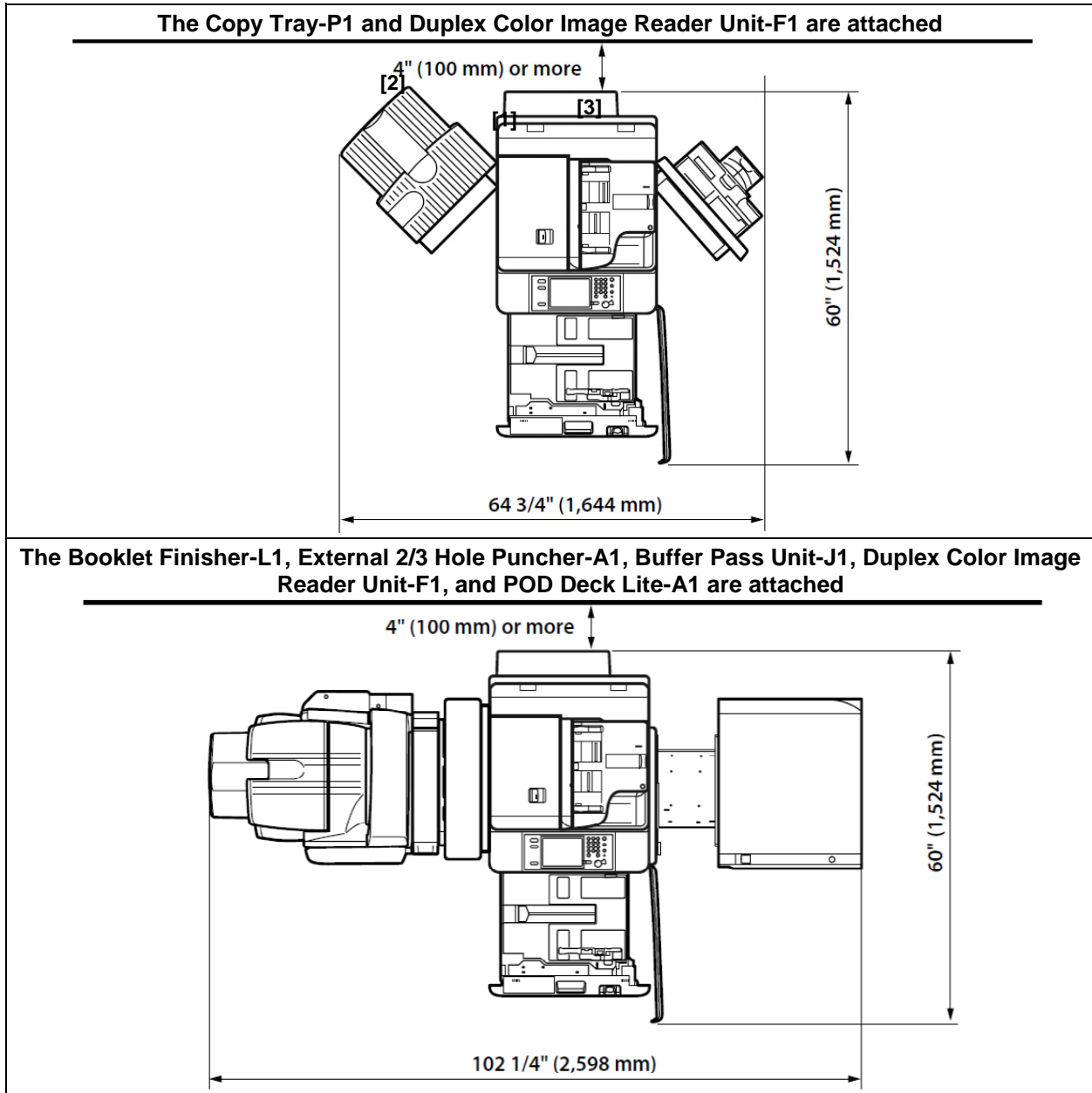


Table 22 – imageRUNNER ADVANCE C7200 Series Installation Space



D. Estimated Installation Times

The table below indicates the estimated length of time needed to unpack and install the main unit and optional accessories, calculated from the average amount of labor hours. The estimated unpack and installation times are based on up to two (2) experienced technicians.

Table 23 – Estimated Installation Times

Estimated Installation Times			
Description	Estimated Unpack Time	Estimated Installation Time	Estimated Total Time
imageRUNNER ADVANCE C7200 Series	10 minutes	24 minutes	34 minutes
imageRUNNER ADVANCE C9200 PRO Series	11 minutes	30 minutes	41 minutes
Duplex Color Image Reader Unit-F1	4 minutes	10 minutes	14 minutes
Printer Cover-B1	1 minutes	11 minutes	12 minutes
Paper Deck Unit-C1	4 minutes	15 minutes	19 minutes
POD Deck Lite-A1	3 minutes	17 minutes	20 minutes
Multi-drawer Paper Deck-A1	7 minutes	20 minutes	27 minutes
Paper Deck Double Feeding Detection Kit-A1	2 minutes	12 minutes	14 minutes
Copy Tray-P1	1 minute	3 minutes	4 minutes
Staple Finisher-K1	7 minutes	8 minutes	15 minutes
Staple Finisher-L1	7 minutes	10 minutes	17 minutes
Booklet Finisher-K1	7 minutes	9 minutes	16 minutes
Booklet Finisher-L1	7 minutes	10 minutes	17 minutes
Puncher Unit-BF1	7 minutes	11 minutes	18 minutes
External 2/3 Hole Puncher-A1	7 minutes	11 minutes	18 minutes
Professional Puncher-C1	7 minutes	18 minutes	21 minutes
Professional Puncher Integration Unit-B1	3 minutes	18 minutes	21 minutes
Document Insertion Unit-H1	7 minutes	8 minutes	15 minutes
Document Insertion Unit-J1	7 minutes	15 minutes	22 minutes
Document Insertion / Folding Unit-G1	7 minutes	15 minutes	22 minutes
Paper Folding Unit-G1	7 minutes	12 minutes	19 minutes
Inner Booklet Trimmer-A1	3 minutes	14 minutes	17 minutes
Cassette Heater Unit-38	1 minute	3 minutes	4 minutes
Utility Tray-A2	1 minute	4 minutes	5 minutes
Key Switch Unit-B1	1 minute	16 minutes	17 minutes
Copy Card Reader-F1	1 minute	12 minutes	13 minutes
Copy Card Reader Attachment-A2	1 minute	12 minutes	13 minutes
Upright Control Panel-B1	5 minutes	28 minutes	33 minutes
Control Panel Sheet-D1	1 minute	28 minutes	29 minutes
Super G3 Fax Board-AD2	2 minutes	10 minutes	12 minutes
Super G3 3nd/4th line Fax Board-AE1	1 minute	18 minutes	19 minutes

Table 23 – Estimated Installation Times Continued

Estimated Installation Times			
Description	Estimated Unpack Time	Estimated Installation Time	Estimated Total Time
Super G3 2nd line Fax Board-AD1	1 minute	29 minutes	30 minutes
Handset-G2	1 minute	4 minutes	5 minutes
Voice Guidance Kit-F2	1 minute	11 minutes	12 minutes
Voice Operation Kit-C2	2 minutes	11 minutes	13 minutes
HDD Data Encryption & Mirroring Kit-C7	2 minutes	25 minutes	27 minutes
USB Device Port-A2	2 minutes	7 minutes	9 minutes
Additional Memory Type D (512MB)	1 minute	4 minutes	5 minutes
Removable HDD Kit-AC1	2 minutes	24 minutes	26 minutes
HDD Mirroring Kit-D2	2 minutes	9 minutes	11 minutes
2.5inch/160GB HDD-G1	1 minute	9 minutes	10 minutes
2.5inch/1TB HDD-H1	1 minute	9 minutes	10 minutes
Removable HDD Kit-AH1	2 minutes	25 minutes	27 minutes
Multimedia Reader/Writer-A2	2 minutes	14 minutes	16 minutes
Serial Interface Kit-K1	1 minute	8 minutes	9 minutes
Copy Control Interface Kit-A1	1 minute	7 minutes	8 minutes

E. Remote Support Services

Remote support services consist of imageWARE Remote and the CDS (Content Delivery System).

1. imageWARE Remote

imageWARE Remote is a service that collects page counter, service parts counter, and alarm, jam, and error code data from Canon devices with the eRDS (Embedded Remote Diagnostic System).

The eRDS enables a device to transmit counter and error code data to a UGW (Universal Gateway) database that the dealership can retrieve via a Web portal. imageWARE Remote provides the following benefits to customers:

- The ability to communicate meter counter information to the UGW database for review by your dealership.
- The ability to communicate device alarm, jam, and error alert notifications to the UGW database. The notification settings can be adjusted by your dealership within the UGW.
- The ability to schedule a firmware download via the CDS (Content Delivery System).

2. Content Delivery System

The CDS is Canon's next generation system for the delivery and installation of firmware and MEAP (Multifunction Embedded Application Platform) applications to imageRUNNER ADVANCE devices. The advantages of the CDS include reduced service costs (labor and travel), and improved first-call resolution. Another benefit is that the latest version of firmware is always available to download and install on the imageRUNNER ADVANCE devices.

The CDS provides users the option to download select MEAP applications (.jar files and license files), select client applications, and related manuals from the CDS Web site (<http://www.canon.com/fau/downloads>). However, the value of using the CDS is realized when updating multiple imageRUNNER ADVANCE devices. You can save up to 40 minutes per machine for machine preparation and application downloading and installation.

There are three methods which helps you to deliver firmware updates and applications to imageRUNNER ADVANCE devices:

Table 24 – CDS Firmware Delivery Methods

Method		Download Firmware	Install Firmware	Frequency	Cost Savings
A	Scheduled Update (at device)	Automatic	Automatic	Recurring periodically	Fully unattended updates after initial one-time setup (less than 5 minutes)
B	Update (remotely through UGW + CDS)	13 hours to 7 days in advance	Automatic	One time as scheduled	Eliminate technician visits
			Manual		Reduce duration of technician visit
C	Update (at device)	Up to 7 days in advance	Automatic	One time as scheduled	Fully unattended update after configuring (less than 5 minutes), when using automatic installation.
			Manual	One time on demand	

a. Method A – On-Site Scheduled Update

The On-site Scheduled Update method ensures that the device always has the latest version of firmware installed. After a one-time setup by a service technician, the imageRUNNER ADVANCE machine automatically downloads and installs new firmware as it becomes available. No further technician visits are required to update firmware.

b. Method B – Remote Update

The Remote Update method enables the dealership to arrange a scheduled firmware download to the imageRUNNER ADVANCE from the UGW, or it provides the option for a service technician to visit the site and upgrade the most recent firmware at the machine.

c. Method C – On Demand Update

The On Demand Update method provides the service technician with access to the most recent version of firmware on demand at the device. The technician also has the ability to schedule firmware installs. A service technician must visit the site every time the firmware must be updated; however, the technician does not need to maintain a library of firmware versions.

Notes:

- To utilize the CDS on an imageRUNNER ADVANCE, the device must have access to the Internet. The service technician should perform a communications test from the Service Mode of the device to validate the device's ability to communicate to the CDS Distribution Server.
- When using the Remote Update method, the service technician must enable eRDS and the CDS UGW switch on all imageRUNNER ADVANCE devices. In addition, the devices must be registered on the UGW. For more information on registering devices on the UGW, see the documentation that came with imageWARE Remote.
- The CDS Instruction Manual includes conditions for use and acceptance of the CDS Service. It also contains language to help the customer understand the conditions for use and acceptance of the third-party software that is embedded in the hardware. (These conditions are also addressed in the Limited Warranty for Embedded Software.)
- The Content Delivery System Software Solutions Guide (available on Canon USA's ISG Central and e-Support Web sites), contains additional language that Canon USA recommends your dealership include in the Maintenance Agreement with your customers as it pertains to the use of the CDS service.

F. Serviceability

The imageRUNNER ADVANCE products are designed to improve serviceability, quality, and deliver lower service costs, which result in increased dealer service profitability.

Enhanced serviceability, as part of the overall design of the imageRUNNER ADVANCE products, enables a reduction in the time required to service the machine's major components. Access to common parts and frequently-used components has been improved to enable technicians to perform tasks more efficiently.

In addition, technology improvements and the FRU (Field Replaceable Unit) Program have reduced parts pricing, improved the cost per copy, and reduced the price of the fixing roller.

Finally, the use of Remote Support Services provides your dealership with remote meter reading and service monitoring capabilities using imageWARE Remote, as well as the ability to maintain up-to-date machine firmware downloads remotely and unobtrusively by using the CDS. All of these factors combined, helps to reduce the overall cost per copy, and enables competitive suggested maintenance pricing and favorable margins.

1. System Configuration Manager

The System Configuration Manager contains a set of tools that helps to simplify the migration of device settings, such as Main Menu settings, Box settings, and Service Mode settings. All these settings can be saved in one file format, and be used to restore or back up the machine.

The System Configuration Manager contains these tools:

- **Enhanced Remote UI:** Enhanced to import and export more device settings either individually or collectively using one click. The device settings are exported to one file, which can be imported into another device, or exported to a USB stick.
- **Enhanced USB Memory Media:** Enhanced to back up and restore Service Mode settings. Two new keys have been added to the imageRUNNER ADVANCE C9200 PRO / C7200 Series Service Mode: [Backup] and [Restore]. These keys, when pressed, enable a service technician to back up the Service Mode settings of the machine to a USB memory stick or hard drive, and then restore the Service mode settings if needed.

- **Device Migration Navigator:** An application that can help the service technician select the best migration tool (Remote UI or USB memory media) for device settings based on the source device, destination device, and settings to transfer. The Device Migration Navigator delivers a printable report that shows the service technician the tools to use, the migration procedure, and migration limitations. The Device Migration Navigator is available at no charge from the [Canon's e-Support Center Web site](#) Download Center.

2. iWEMC Device Firmware Update

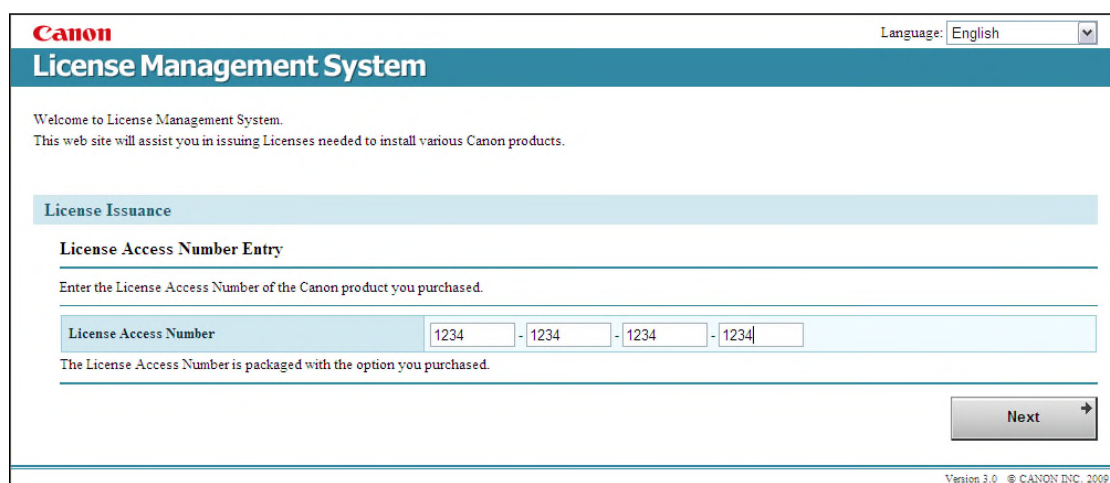
The iWEMC (imageWARE Enterprise Management Console) DFU (Device Firmware Update) enables the Administrator of the machine to batch update the firmware on all the imageRUNNER ADVANCE models in their fleet by using a single iWEMC task. The Intranet must be linked with the L-CDS (Local Content Delivery System).

G. LMS (License Management System)

To activate optional software programs and features preinstalled on the imageRUNNER ADVANCE, you must obtain a license through the LMS server. This replaces the need for additional hardware or dongles to activate new software.

The LMS is a server-based software license program. All purchased software application packages contain a license access number certificate with the documentation. The dealer must enter the license access number and the imageRUNNER ADVANCE device's serial number into the LMS server to generate a license key. The URL to access the LMS server is: <http://www.canon.com/lms/ir/>.

Figure 3 – License Management System



If there are activation or installation issues, contact the Technical Support Center. Be prepared to provide the product's serial number, license access number, and license key.

Notes:

- The license access number comes with the software. Keep the license access number in a secure location, as it cannot be replaced if it is lost.
- The machine's serial number can be found on the Counter Check screen on the machine's UI.
- Activated software programs are not impacted by normal service activity.

H. Content Delivery System Web Site

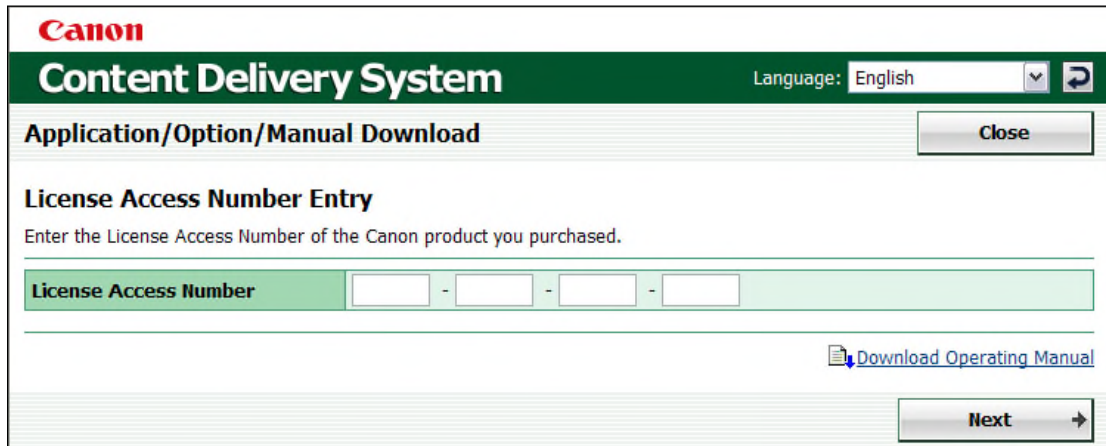
The CDS Web site enables end-users to download, install, and activate select MEAP applications (.jar and license files) via the imageRUNNER ADVANCE device directly, without the need to go through the LMS and Service Management Service.

To manage licenses, register, and install MEAP applications, you can access the CDS directly from the imageRUNNER ADVANCE device’s touch panel display, enter the LAN (License Access Number) of the MEAP application when prompted, and then follow the instructions on the touch panel display to install and register the MEAP application.

Some MEAP applications include a Software License Agreement to which you must agree before you can complete the installation and registration process.

Additionally, you can download select client applications and related manuals from the CDS Web site located at: <http://www.canon.com/fau/downloads>.

Figure 4 – Content Delivery System Web Site



If there are activation or installation problems, contact the Technical Support Center, and provide the product’s serial number and LAN.

I. Recommended System Engineer Requirements

An SE (System Engineer)⁴⁸ is recommended to work with Canon's networked devices, and should have the following basic job functions:

- Systems integration (pre-sale and post-sale)
- Installation
- Education of customers and dealership personnel
- Troubleshooting

To perform the above tasks successfully, it is crucial that the SE have strong computer skills and working knowledge in the following areas (listed in order of importance):

1. The major computer platforms (IBM-compatible and Macintosh)
2. Computer hardware (including cabling)
3. Computer software (including drivers)
4. Operating systems:
 - Windows 2000 Professional/Server/Advanced Server
 - Windows XP Professional/Home Edition (32 bit)
 - Windows XP Professional x64 (64 bit)
 - Windows Server 2003 (32 and 64 bit versions)
 - Windows Vista (32 bit)
 - Mac OS versions 10.1.5 and up (for PS/PCL), and versions 10.2.8 – 10.4.2 (for UFR II)
5. Network Operating Systems:
 - Novell NetWare 3.x, 4.x, 5.x, and 6.x
 - Windows NT/2000/2003
 - Mac OS X
6. Protocols:
 - TCP/IP
 - IPX/SPX
 - NetBIOS
 - AppleTalk
7. Printing
8. Scanning

It is also important that the SE have computer skills and working knowledge in the following areas:

- Other computer platforms (mainframe and UNIX)
- Networking
- Basic electronics

⁴⁸ An SE (System Engineer) is a professional title often used by hardware vendors for individuals who perform systems related tasks, such as analysis, design, and programming. System Engineers are also often involved in pre-sales activities.

The Education/Training (listed in preferred order) of a successful Canon dealership's SE include:

1. Novell CNA or Novell CNE or Microsoft MCSE certification
2. Two years of experience being a Canon Copier Service Technician (training centered on connectivity products)
3. A degree in Computer Science or Engineering, or a computer technician with two years of experience is required in the above areas.

J. Firmware Upgrades Using the Service Support Tool

The SST (Service Support Tool) (version 4.72 or later) is available via Canon's e-Support Center Web site (<http://www.support.cusa.canon.com>) for upgrading the following system components:

1. Upgrade Functions:

- System Software stored on the HDD
- Main engine firmware
- Accessory firmware (Refer to the SST User Manual for a list of supported devices and accessories.)
- MEAP Contents
- Language
- HDD Format
- RUI (Remote User Interface) stored on the HDD
- BootROM stored on a FDIMM (Flash Double Inline Memory Module) on the Main Controller PCB (Printed Circuit Board)

The imageRUNNER ADVANCE C9200 PRO / C7200 Series devices support firmware downloads from the SST and a USB memory stick. When the hard disk drive is replaced, the SST is used to format the new HDD and load software.



IMPORTANT

- The imageRUNNER ADVANCE Security Kit-E1 for IEEE 2600.1 Common Criteria Certification ships with certified device firmware to enable the imageRUNNER ADVANCE C9200 PRO / C7200 Series machines to be IEEE 2600.1 certified.
- Once the imageRUNNER ADVANCE Security Kit-E1 for IEEE 2600.1 Common Criteria Certification is installed, you can only upgrade imageRUNNER ADVANCE C9200 PRO / C7200 Series machines with firmware versions certified for the IEEE standard 2600.1-2009. Upgrading to non-certified firmware invalidates the IEEE standard 2600.1 certification, although the machine will continue to operate properly.

2. Backup / Restore RAM Data

If replacing and PCBs with FDIMMs attached or initializing RAM, the Service Support Tool can be used to create a backup file of the RAM data on the FDIMMs and saved to a PC. Once the PCB has been replaced, the RAM backup file can be restored to the imageRUNNER ADVANCE and factory settings restored.

K. Computer Requirements for Downloading Firmware

The recommended desktop PC or laptop requirements⁴⁹ to download the firmware are:

- CPU: Celeron 400 MHz or higher (32-bit processor only)
- Memory: 512 MB of RAM or more
- Free HDD Capacity: 1 GB or more of available hard disk space
- High-Speed USB 2.0 (recommended) or 1.1
- Display: VGA 640 x 480 resolution or better, 256 colors or more
- Operating System (any of the following):
 - Microsoft Windows 2000 Server/Professional
 - Microsoft Windows XP Professional or Home Edition
- Network connection: 10Base-T/100Base-TX, or a PCMCIA slot for an Ethernet card
- Download Tool: SST version 4.72 or later
- Necessary Cables:
 - High-Speed USB 2.0-compliant cable (as short as possible to avoid connection problems). **Note:** Do not use extension cables.
 - Cross-over Ethernet cable

⁴⁹ Specifications are subject to change without notice.

L. Hard Disk Drive Handling

The imageRUNNER ADVANCE C9200 PRO / C7200 Series machines use an HDD (Hard Disk Drive) for storing firmware and image data. The HDD is easily affected by shock, vibration, and static charge. Therefore, its handling requires special care. When transporting an HDD, which is available as a service part, it must be kept in its original package until it is installed in a machine.

CAUTION

Canon USA or any of its affiliates or dealers are not liable for any damages for loss of data received or stored on the hard disk, including loss arising from lost opportunity to use such data, even if Canon is informed of the possibility of such damages. Therefore, it is recommended to not permanently store data on the HDD without having secured copies or printouts of such data. (Review the terms of the product's Limited Warranty for more details.)


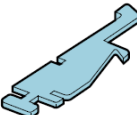
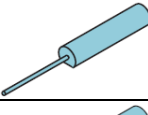
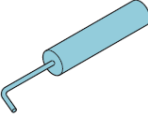

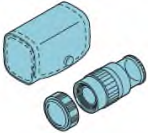



IMPORTANT

If an HDD must be replaced due to a fault, all MEAP application files stored on it will be lost, requiring all applications and their license files to be reinstalled, in addition to replacing the HDD. Refer to the *imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260Series Service Manual* for further details.

M. Special Tools

In addition to the standard tools used to service these devices, the following special tools should also be carried by a service technician, according to the tool's rank. For more information on the special tools, solvents, and oils below, see the *imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260Series Service Manual*.

Table 25 – Special Tools List

Description	Appearance	Rank	Part Number ¹⁰	Remarks
Digital Multimeter		A	FY9-2002-000	Used for electrical checks and adjustment of laser power with the laser power checker.
Cover Switch		A	TKN-0093-000	Used to open all internal covers and service the machine while the machine is running.
Tester Extension Pin		A	FY9-3038-000	Used as a probe extension when making electrical checks.
Tester Extension Pin (L-shaped)		A	FY9-3039-000	Used as a probe extension when making electrical checks.
CA-7 Test Sheet		A	FY9-9323-000	Used for checking and adjusting images.
Loupe		B	CK-0056-000	Used for checking images
Cleaning Tool		A	--	To clean the feed guide. (This is not a service tool) One is included with the host machine.
Tospearl 240		B	FY9-6007-000	ITB Cleaning Blade Lubricant
Electrode for Checking a Potential Sensor		B	FY9-3059-000	Used to check for a potential zero-level surface sensor.
Rank Description				
A: Each service person must carry one.				
B: Each Group of about five service persons must carry one.				

¹⁰ Part numbers are subject to change without notice.

Table 26 – Solvents and Oils

Type	Uses	Composition	Remarks
Alcohol	Cleaning glass, plastic, rubber, and external covers.	<ul style="list-style-type: none"> Fluoride-family hydrocarbon Alcohol Surface activating agent Water 	<ul style="list-style-type: none"> Keep away from flammable materials. Purchase locally. Substitute: IPA (Isopropyl Alcohol).
Solvent	Cleaning metal, oil, and toner stains.	<ul style="list-style-type: none"> Fluoride-family hydrocarbon Chlorine-family hydrocarbon Alcohol 	<ul style="list-style-type: none"> Keep away from flammable materials. Purchase locally. Substitute: MEK (Methyl Ethyl Ketone)
Heat-resistant grease	Lubrication of the fixing drive areas.	<ul style="list-style-type: none"> Mineral oil-family lithium soap Molybdenum disulfide 	MO-138S Tool No: CK-0427 (500 g/can)
Lubricating oil		<ul style="list-style-type: none"> Mineral oil (paraffin-family) 	Tool No:CK-0524 (100 cc)
Lubricating oil	Lubrication of the drive areas and friction areas.	<ul style="list-style-type: none"> Silicone oil 	Tool No:CK-0551 (20 g)
Lubricating oil (EM-50L)	Lubrication of the gears.	<ul style="list-style-type: none"> Special oil Special solid lubricating agent Lithium soap 	Tool No:HY9-0007
Lubricating oil	Lubrication of the scanner rail.	<ul style="list-style-type: none"> SHC oil 	Tool No: FY9-6029
Conducting grease	Lubrication of the edge of secondary transfer outer roller and drum heater sliding area.	<ul style="list-style-type: none"> Fluorine poly wthyl Polytetra fluorine ethylene 	Tool No: FY9-6008
Conducting grease	Lubrication of the edge of secondary transfer inner roller	<ul style="list-style-type: none"> poly-α-olefin 	Tool No: FY9-6006

N. Consumables

Consumables are all products and materials, which are consumed with regular use and cannot be reused. Such consumables include but are not limited to paper, chemicals and toner.

A number of factors are considered when the approximate yield expectancy of a consumable is determined, including paper size and the amount of coverage per page.

Note 1: All consumables shown in the below table are estimates for reference purposes only and are subject to change without notice. Actual usage may vary.

Note 2: These models contain logic (a default setting) to help the dealer control costs by only allowing a toner bottle to be replaced by the end-user customer when approximately 5% of its content remains. However, this can be disabled in Service Mode thereby allowing replacement of a bottle at any time by the end-user customer. Please see the Service Manual for details.

Table 27 – Main Unit Consumables List

Main Unit Consumables List				
Description	Part Number ¹⁰	Quantity	Estimated Life ⁵⁰	Remarks
GPR-32/33 Black Drum Unit	2780B003AA	1	530,000 pages	imageRUNNER ADVANCE C9280 PRO
			550,000 pages	imageRUNNER ADVANCE C9270 PRO
			550,000 pages	imageRUNNER ADVANCE C7270
			500,000 pages	imageRUNNER ADVANCE C7260
GPR-46 Color Drum Unit	6370B004AA	1	174, 000 pages	imageRUNNER ADVANCE C9280 PRO / C9270 PRO
			164,000 pages	imageRUNNER ADVANCE C7270 / C7260
GPR-32 Black Toner	2791B003AA	1	72,000 ⁵¹ pages	imageRUNNER ADVANCE C9280 PRO / C9270 PRO
GPR-32 Cyan Toner	2795B003AA	1	54,000 ⁵¹ pages	
GPR-32 Magenta Toner	2799B003AA	1	54,000 ⁵¹ pages	
GPR-32 Yellow Toner	2803B003AA	1	54,000 ⁵¹ pages	
GPR-33 Black Toner	2792B003AA	1	80,000 ⁵¹ pages	imageRUNNER ADVANCE C7270 / C7260
GPR-33 Cyan Toner	2796B003AA	1	52,000 ⁵¹ pages	
GPR-33 Magenta Toner	2800B003AA	1	52,000 ⁵¹ pages	
GPR-33 Yellow Toner	2804B003AA	1	52,000 ⁵¹ pages	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

⁵¹ Estimated 5% toner coverage on LTR sized paper.

⚠ CAUTION

- If clothing or skin has come into contact with toner, wipe the toner off with a tissue; then, wash the remaining toner off with water.
- Do not use warm water, Warm water will cause the toner to jell and fuse permanently with the fibers of the clothing.
- Toner will react and adhere to plastic material, avoid contact with plastic.

O. Consumable Parts

Consumable parts are defined as those parts having a limited life that will be reached during a customer’s specific machine operation, and should then be replaced as needed. Examples of consumable parts include, but are not limited to, feed rollers and cleaner blades.

An estimated consumable parts list is provided in the table below to assist in the initial parts/supplies planning. A consumable part’s life expectancy is directly related to usage factors, such as paper size, paper quality, environment, usage application, and machine maintenance. Therefore, consumable parts do not have a warranty, and Canon USA cannot guarantee a minimum life.

Note: All consumable parts shown in the table below are for reference purposes only, and are subject to change without notice.

Table 28 – Main Unit Consumable Parts List

Main Unit Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Developing Assembly (Bk)	FM0-2709-000	1	500,000 pages	
Developing Assembly (Y)	FM0-2706-000	1	500,000 pages	
Developing Assembly (M)	FM0-2707-000	1	500,000 pages	
Developing Assembly (C)	FM0-2708-000	1	500,000 pages	
Drum Cleaning Blade (Bk)	FC8-2281-000	1	530,000 pages	imageRUNNER ADVANCE C9280 PRO
			550,000 pages	imageRUNNER ADVANCE C9270 PRO / C7270
			500,000 pages	imageRUNNER ADVANCE C7260
Drum Cleaning Scoop-up Sheet (Bk)	FL2-8652-000	1	530,000 pages	imageRUNNER ADVANCE C9280 PRO
			550,000 pages	imageRUNNER ADVANCE C9270 PRO / C7270
			500,000 pages	imageRUNNER ADVANCE C7260

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 28 – Main Unit Consumable Parts List Continued

Main Unit Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Edge Scraper 1 (Bk)	FL2-8653-000	1	530,000 pages	imageRUNNER ADVANCE C9280 PRO
			550,000 pages	imageRUNNER ADVANCE C9270 PRO / C7270
			500,000 pages	imageRUNNER ADVANCED C7260
Edge Scraper 2 (Bk)	FL2-8654-000	1	530,000 pages	imageRUNNER ADVANCED C9280 PRO
			550,000 pages	imageRUNNER ADVANCED C9270 PRO/C7270
			500,000 pages	imageRUNNER ADVANCED C7260
ITB	FM4-6624-000	1	550,000 pages	
ITB Cleaning Blade	FL3-4920-000	1	200,000 pages	
Primary Transfer Roller (Y/M/C/Bk)	FC0-2331-000	4	550,000 pages	
Secondary Transfer Inner Roller	FC7-9325-000	1	550,000 pages	
Secondary Transfer Outer Roller	FL3-8693-000	1	550,000 pages	
Secondary Transfer Static Eliminator	FM3-9841-000	1	550,000 pages	
ITB Inner Surface Scraper	FL3-9149-000	1	550,000 pages	
Fixing Film Unit	FM0-0413-000	1	300,000 pages	
Pressure Roller	FM0-0387-000	1	300,000 pages	
Fixing Web	FC0-8030-000	1	300,000 pages	
Fixing Heat Soaking Roller	FC0-7967-000	1	300,000 pages	
Bearing for Heat Soaking Roller	XG9-0810-000	2	300,000 pages	
Right Deck Pickup Roller	FC5-2524-000	1	500,000 sheets	
Left Deck Pickup Roller		1	500,000 sheets	
Cassette 3 Pickup Roller		1	500,000 sheets	
Cassette 4 Pickup Roller		1	500,000 sheets	
Right Deck Feed Roller	FC5-2526-000	1	500,000 sheets	
Left Deck Feed Roller		1	500,000 sheets	
Cassette 3 Feed Roller		1	500,000 sheets	
Cassette 4 Feed Roller		1	500,000 sheets	
Right Deck Separation Roller	FC5-2528-000	1	500,000 sheets	
Left Deck Separation Roller		1	500,000 sheets	
Cassette 3 Separation Roller		1	500,000 sheets	
Cassette 4 Separation Roller		1	500,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 28 – Main Unit Consumable Parts List Continued

Main Unit Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Multi-purpose Tray Feed Roller	FB1-8581-000	1	120,000 pages	
Multi-purpose Tray Separation Roller	FC6-6661-000	1	120,000 pages	
Waste Toner Container	FM0-4545-000	1	50,000 pages	Based on 5% toner coverage for each color @ 100% Color Ratio

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 29 – Duplex Color Image Reader Unit-F1 Consumable Parts List

Duplex Color Image Reader Unit-F1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup roller	FC8-5577-000	1	80,000 sheets	
Feed roller 1	FL2-9608-000	1	80,000 sheets	
Separation roller	FB2-7777-000	1	80,000 sheets	
Dust-colleting type E	FC8-5633-000	2	80,000 sheets	
Dust-colleting	FC8-5727-000	8	80,000 sheets	
Stamp	F26-7610-000	1	7,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 30 – Paper Deck Unit-C1 Consumable Parts List

Paper Deck Unit-C1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller	FF5-7829-000	1	250,000 sheets	
Pickup Roller (Rear)	FF5-7830-000	1	250,000 sheets	
Separation Roller	FB2-7777-000	1	250,000 sheets	
Feed Roller	FF6-1975-000	1	250,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 31 – POD Deck Lite-A1 Consumable Parts List

POD Deck Lite-A1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller (Front)	FF5-7829-000	1	500,000 sheets	
Pickup Roller (Rear)	FF5-7830-000	1	500,000 sheets	
Separation Roller	FB2-7777-000	1	500,000 sheets	
Feed Roller	FF6-1975-000	2	500,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 32 – Multi-drawer Paper Deck-A1 Consumable Parts List

Multi Drawer Paper Deck-A1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller (Front)	FF5-7829-000	2	500,000 sheets	
Pickup Roller (Rear)	FF5-7830-000	2	500,000 sheets	
Separation Roller	FB5-6586-000	2	500,000 sheets	
Pickup/Feed Roller	FF6-1975-000	2	500,000 sheets	
Pickup Clutch	FH6-5145-000	3	4,000,000 pages	
Pickup Roller Release Solenoid	FH6-5146-000	3	4,000,000 pages	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 33 – Booklet Finisher-L1 / Staple Finisher-L1

Booklet Finisher-L1 / Staple Finisher-L1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Stapler	FM2-0665-000	1	500,000 sheets	
Delivery Static Eliminator (L)	FC5-3667-000	1	1,000,000 sheets	
Delivery Static Eliminator (R)	FC5-5571-000	1	1,000,000 sheets	
Inlet Static Charge Eliminator	FL2-0822-000	1	1,000,000 sheets	
Swing Guide Inside Static Charge Eliminator	4F3-0929-000	1	1,000,000 sheets	
Buffer Roller	FC5-3442-000	1	1,000,000 sheets	
Return Roller (Rear)	4A3-0950-000	1	1,000,000 sheets	
Return Roller (Front)	4A3-0951-000	1	1,000,000 sheets	
Saddle Stitcher	FL2-0846-000	1	100,000 sheets	Booklet Finisher-L1 Only

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 34 – Booklet Finisher-K1 / Staple Finisher-K1

Booklet Finisher-K1 / Staple Finisher-K1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Static Eliminator (Feed guide unit)	FC9-3335-000	1	1,000,000 sheets	
Static Eliminator (Front) (Swing guide unit)	FC9-3151-000	1	1,000,000 sheets	
Static Eliminator (Rear) (Swing guide unit)	FC9-3150-000	1	1,000,000 sheets	
Stack Delivery Upper Roller (Front/Rear)	FC9-3148-000	2	3,000,000 sheets	
Stack Delivery Upper Roller (Center)	FC9-3149-000	1	3,000,000 sheets	
Shutter Clutch	FK2-8207-000	1	1,000,000 times	
Swing Guide Open Solenoid (SL101)	FK2-8206-000	1	1,000,000 times	
Torque Limiter (Processing tray paper holder)	FC9-3323-000	1	1,000,000 times	
Paper Return Guide Roller (Front)	FC9-3436-000	1	3,000,000 sheets	
Paper Return Guide Roller (Rear)	FC9-3319-000	1	3,000,000 sheets	
Torque Limiter (Tray1/2 paper holder)	FC9-3111-000	2	1,000,000 times	
Torque Limiter (Sub guide)		2	3,000,000 sheets	
Paper Holding Rubber	FC9-3108-000	1	3,000,000 sheets	
Paper Holding Roller	FC9-3320-000	1	3,000,000 sheets	
Staple Unit	FM4-4697-000	1	500,000 times	
Static Eliminator	FL3-2575-000	2	1,000,000 sheets	
Torque Limiter (Shutter)	FC9-3559-000	1	1,000,000 times	
Torque Limiter (Tray1)		2	200,000 times	
Torque Limiter (Tray2)		2	200,000 times	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 35 – Inner Booklet Trimmer-A1

Inner Booklet Trimmer-A1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Damage Prevention Sheet	FM4-0231-000 FM4-0234-000	1	120,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 36 – Document Insertion Unit-H1

Document Insertion Unit-H1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller	4A3-3870-000	1	100,000 sheets	
Separation Roller Parts Counter	4A3-3868-000	1	100,000 sheets	
Feed Roller Parts Counter	4A3-3869-000	1	100,000 sheets	
Drive Torque Limiter Parts Counter	4A3-3888-000	1	1,000,000 sheets	
Lower Tray Pickup Roller Parts Counter	4A3-3868-000	1	100,000 sheets	
Lower Tray Separation Roller Parts Counter	4A3-3870-000	1	100,000 sheets	
Lower Tray Feed Roller Parts Counter	4A3-3869-000	1	100,000 sheets	
Lower Tray Torque Limiter Parts Counter	4A3-3888-000	1	1,000,000 sheets	
Process Tray Paper Retaining Roller	FC9-3320-000	1	3,000,000 sheets	
Lower Tray Electromagnetic Clutch	4A3-0290-000	1	1,000,000 sheets	
Through Feed Inlet Static Eliminator	FL3-3420-000	1	6,000,000 sheets	
Upper Tray Electromagnetic Clutch	4A3-0290-000	1	1,000,000 sheets	
Reverse Solenoid	FL2-7191-000	1	1,000,000 sheets	
Through Feed Outlet Static Eliminator	FL3-3418-000	1	6,000,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 37 – Document Insertion Unit-J1

Document Insertion Unit-J1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller	4A3-3870-000	1	100,000 sheets	
Separation Roller Parts Counter	4A3-3868-000	1	100,000 sheets	
Feed Roller Parts Counter	4A3-3869-000	1	100,000 sheets	
Drive Torque Limiter Parts Counter	4A3-3888-000	1	1,000,000 sheets	
Horizontal Feed Slave Roller Parts Counter	FC5-3670-000	1	2,000,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 38 – Document Insertion/Folding Unit-G1

Document Insertion/Folding unit-G1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Pickup Roller	4A3-3870-000	1	100,000 sheets	
Separation Roller Parts Counter	4A3-3868-000	1	100,000 sheets	
Feed Roller Parts Counter	4A3-3869-000	1	100,000 sheets	
Drive Torque Limiter Parts Counter	4A3-3888-000	1	1,000,000 sheets	
Horizontal Feed Slave Roller Parts Counter	FC5-3670-000	1	2,000,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Table 39 – Paper Folding Unit-G1

Paper Folding Unit-G1 Consumable Parts List				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Through Feed Outlet Static Eliminator	FL3-3418-000	1	6,000,000 sheets	
Folding Front Lower Roller Clutch 2	FK2-4588-000	1	100,000 sheets	
Through Feed Inlet Static Eliminator	FL3-3420-000	1	6,000,000 sheets	
Folding Front Lower Roller Drive Clutch 1 Parts Counter	FK2-4588-000	1	1,000,000 sheets	
Folding/Disengagement Solenoid Parts Counter	FM4-4117-000	1	1,000,000 sheets	
Through/Folding Flapper Solenoid Part Counter	FK2-4548-000	1	2,000,000 sheets	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

P. Periodically Replaced Parts

Some parts of the machine must be maintained and replaced periodically to ensure a specific level of machine performance. These parts can affect the performance of the machine once they fail, even if there is no external change or damage. Whenever possible, plan to replace these parts during a scheduled service visit.

Table 40 – Periodic Replacement Parts

Main Unit Periodic Replacement Parts				
Description	Part Number ¹⁰	Quantity	Estimated Life (copies/prints ⁵⁰)	Remarks
Toner Filter	FL3-7553-000	1	500,000 pages	Specified by the number of sheets on a A4 size basis
Ozone Filter	FL3-4101-000	2	500,000 pages	
Dustproof Filter	FL2-0439-000	1	500,000 pages	
Primary Charging Assembly	FM0-0892-000	1	1,400,000 pages	
Pre-transfer Charging Assembly	FM0-0862-000	1	1,400,000 pages	
Primary Charging Wire	FL2-8915-000	1	150,000 pages	Specified by the charging time
Charging Wire Cleaner 1	FL2-7750-000	1	150,000 pages	
Charging Wire Cleaner 2	FL3-7560-000	1	150,000 pages	
Pre-primary Transfer Charging Wire	FL2-8807-000	1	150,000 pages	
Pre-transfer Charging Wire Cleaner 1	FL2-7750-000	1	150,000 pages	
Pre-transfer Charging Wire Cleaner 2	FL3-7560-000	1	150,000 pages	
Primary Etching Grid	FC8-2295-000	1	150,000 pages	
Grid Cleaning	FL3-4090-000	1	150,000 pages	

¹⁰ Part numbers are subject to change without notice.

⁵⁰ Value is based on LTR sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Q. Periodic Maintenance

Some parts of the machine must be periodically maintained and/or replaced on a periodic basis to ensure a specific level of machine performance. These parts are likely to affect the performance once they fail even in the absence of external change or damage. Whenever possible, plan their replacement so that it will coincide with a scheduled service visit.

Table 41 – Main Unit Periodic Maintenance

Location for maintenance		Estimated Interval					Remarks
		As Required	80,000	150,000	160,000	500,000	
		△: Cleaning			x: Lubrication		□: Adjustment
Engine	Developing Assembly Cover (C/M/Y)			△			
	Developing Assembly Cover (Bk)			△			
	Transparency Sensor			△			
	Pre-fixing Feed Belt						△
	Post-secondary Transfer Sensor						△
	Registration Sensor						△
	Paper Width Sensor						△
	ITB Drive Roller						△
	ITB Steering Roller						△
	Post Upper Duct			△			
	Shield Plate (Primary Charging Assembly)			△			
	Shield Plate (Pre-transfer Charging Assembly)			△			
	Developing Lower Toner Tray						△
	Catch Sheet			△			
Drum Heater						x/△	

Table 41 – Main Unit Periodic Maintenance Continued

Location for maintenance		Estimated Interval					Remarks
		As Required	80,000	150,000	160,000	500,000	
		△: Cleaning	×: Lubrication			□: Adjustment	
Reader	Surface of the Original Glass (Large)	△					Including the White Plate area on the back side of the glass
	Surface/rear surface of the Original Glass (Small)	△					
	Scanner Rail	△/×					
ADF	Post-separation Sensor				△		<ul style="list-style-type: none"> • Scanner Sensor only • 160,000 or 12 Months
	Post-separation Sensor 2				△		
	Post-separation Sensor 3				△		
	Lead Sensor				△		
	Registration Sensor				△		
	Delivery Sensor				△		
	Registration Roller		△				80,000 or 6 months
	Lead Roller 1		△				
	Lead Roller 2		△				
	Lead Roller 3		△				
	Pullout Roller		△				
	Feed Roller		△				
	Delivery Roller		△				
	Rollers/Slave Rollers		△				
Scrapers		△					
ADF height adjustment			□				Adjustment

R. The Waste Toner Container Replacement

The imageRUNNER ADVANCE C9200 PRO / C7200 Series uses a replaceable waste toner container, which collects waste toner during the printing process.

The operator or service technician can replace the waste toner container when approximately 50,000 pages (LTR paper @ 100% Color Ratio and at 5% toner coverage) have been printed.

The service technician can enable the end-user to replace of the Waste Toner Container in Service Mode.

When the message "Waste toner is near full. Replacement not yet needed." is displayed, the Waste Toner Container is approximately 80% full.

When a message is displayed indicating that the Waste Toner Container is full, up to an additional 1,000 sheets of LTR paper (@ 100% Color Ratio and at 5% toner coverage) can be printed before the waste toner container must be replaced.

When the waste toner container becomes completely full, the imageRUNNER ADVANCE C9200 PRO / C7200 Series stops. No additional jobs can be completed. The operator or service technician can replace the full waste toner container with an empty waste toner container.

If the end-user has not been enabled to replace the Waste Toner Container then the message "Waste toner container full. Call service representative." is displayed.

If the end-user has been enabled to replace the Waste Toner Container then the message "Replace the waste toner container." is displayed. In addition, an animation will be displayed on the User Interface instructing the end-user how to replace the Waste Toner Container.

Canon U.S.A. Inc. recommends that the customer maintain a supply of waste toner containers for replacement when necessary.

Note: Disposal of the waste toner or waste toner container must be in a manner that is applicable to the laws in the geographical area where the machine is located.

S. Soft Counter

The imageRUNNER ADVANCE C9200 PRO/C7200 Series uses soft counters to track its functional copy use. The control panel can display up to eight (8) counters on the counter status check screen (when the counter check key button on the control panel is pressed). By default, the imageRUNNER ADVANCE C9200 PRO/C7200 Series displays six (6) counters on the counter status check screen.

The Table below indicates the default counter configurations of the imageRUNNER ADVANCE C9200 PRO/C7200 Series on the counter status check screen.

Table 42 – Soft Counter

Counter	Counter Description (from Service Manual)	Default Display	Adjustability of Display
1	101: Total 1	On	May be Swapped to different Total Counter via Service Mode setting
2	108: Total (Black 1)	On	May be Changed via Service Mode setting to any available counter
3	229: Copy (Full Color + Single Color/Large)	On	
4	230: Copy (Full Color + Single Color/Small)	On	
5	321: Print (Full Color + Single Color/Large)	On	
6	322: Print (Full Color + Single Color/Small)	On	
7	Not Displayed	Off	
8	Not Displayed	Off	

Refer to the imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260 Series Service Manual for complete details on the Soft Counter configurations.

T. MEAP Counter

The MEAP application counter counts the number of prints and scans made per MEAP application. You can view the MEAP counter by logging on to the MEAP SMS (Service Management Service) Application/License Information page via a Web browser. (The computer you are using must be connected to the machine and network.) You can also view the MEAP counter from the MEAP device. Press the Counter Check button on the device's control panel, and then press the MEAP Counter key on the touch panel display.

There are three types of MEAP applications:

- **Applet:** Contains a user interface on the touch panel display of the device. Up to nine applet tabs can be displayed on the touch panel display of the device.
- **Servlet:** Contains a remote, programmable user interface for the application via a Web browser.
- **Esplet:** The application does not contain a user interface.

Each MEAP application has its own counter. There are 19 counters available for MEAP applications on the imageRUNNER ADVANCE machines. Not included one (1) counter used for Universal Send.

X. Suggested End-User Customer Service Offerings

A. Monthly Copy Volume

The maximum print/copy monthly volume is the maximum number of pages the machine can produce within a one-month period (based on letter size paper). However, the device should not be used to produce the maximum number of pages, or a greater volume, on a consistent monthly basis.

The optimum performance range is the volume range that the equipment is intended to run on a regular basis to maintain a high-level of performance and print/copy quality.

Table 43 – Monthly Copy Volume

Model	Optimum Performance Range	Maximum Monthly Copy/Print Volume
imageRUNNER ADVANCE C9280 PRO	Approximately 30,000-150,000	Up to 350,000
imageRUNNER ADVANCE C9270 PRO	Approximately 30,000-110,000	Up to 330,000
imageRUNNER ADVANCE C7270	Approximately 30,000-80,000	Up to 250,000
imageRUNNER ADVANCE C7260	Approximately 30,000-70,000	Up to 230,000

Table 44 – Monthly Print Copy Volume Definitions

Monthly PCV Type	Description
Optimum Performance Range	This is the print/copy volume range that the equipment was intended to run on a regular basis to maintain a high level of performance and print/copy quality. Running the equipment within this range ensures that no undue stress is placed on components, and it allows time for the proper servicing and maintenance of the equipment.
Maximum Monthly Copy/Print Volume	On occasion, the machine can produce up to the above prints/copies. However, sustained use of the machine at this level, will significantly impact the long term performance and durability of the machine. You should expect an increase in the number of service calls and down time during periods of Maximum production use.

B. Limited Warranty Support

1. End-User Limited Warranty Conditions

Ninety (90) days after delivery to the original purchaser or 30,000 prints/copies, or a combination of both, whichever comes first.

This limited warranty covers the product accessories. For detailed limited warranty information, please refer to the imageRUNNER ADVANCE C9280 PRO/ C9270 PRO/C7270/C7260 Series Limited Warranty located in the [Appendix](#).

Note: No warranty is given on any consumables or consumable parts, such as paper, toner, chemicals, or pick-up rollers.

2. GPR-32/33 Drum Unit Limited Warranty

Table 45 – GPR-32/33 Drum Unit Limited Warranty

Full Credit:	Black Drum Unit	1,000 prints or copies (or a combination of both) or 30 days after delivery to the original purchaser, whichever comes first.
	Color Drum Unit	1,000 prints or copies (or a combination of both) or 30 days after delivery to the original purchaser, whichever comes first.
Prorated Credit:	Black Drum Unit	350,000 prints or copies (or a combination of both) or 120 days after delivery to the original purchaser, whichever comes first.
	Color Drum Unit	140,000 prints or copies (or a combination of both) or 120 days after delivery to the original purchaser, whichever comes first.

For detailed limited warranty information, please refer to the GPR-32 and/or the GPR-33 Drum Unit Limited Warranty located in the [Appendix](#).

3. Flat-Rate Program

The Flat-Rate Program provides a flat-rate credit to Canon USA's full-line dealers as compensation for warranty expenses that they may incur. Dealers who purchase an imageRUNNER ADVANCE C9200 PRO / C7200 Series device will receive a Flat-Rate Program credit during the month following their purchase. This credit covers the dealer's cost of defective parts and drums with a dealer cost **under \$300.00** that have been replaced during the term of the end-user's Limited Warranty.

The Flat-Rate Program enables the dealer to return the more expensive machine parts to receive reimbursement for in-warranty part failures. The flat-rate credit is a percentage of your eligible machine purchases, drums, and accessories. Flat-rate credits are posted monthly in the CNA (Canon Network Access) section of Canon USA's ISG Central Web site. Refer to the [Online Limited Warranty Credit Inquiry](#) section for more information.

Original defective parts with a dealer cost **over \$300.00** that have been replaced during the term of the end-user warranty are eligible to receive reimbursement credit through the e-Tag process. Parts that are listed on the Canon USA Repairable Parts List should be sent to an APRF (Authorized Parts Repair Facility) to be repaired at no charge.

To request a part reimbursement credit, complete the e-Tag warranty claim form in the Warranty section of the e-Support Center Web site at <http://www.support.cusa.canon.com>. Refer to the [e-Tag](#) section of this Service Guide for further details and instructions.

Additional information on the Flat-Rate Program is located on the Canon USA's e-Support Web site at <http://www.support.cusa.canon.com>, as shown in Figure 5.

Figure 5 – e-Support: Flat-Rate Program

support center Canon
ENGINEERING SERVICES
& SOLUTIONS DIVISION

Home | Tech Support | Field Support | Training | ATSP | **Warranty** | Video | Communication Center | Major Accounts | Management Center

Info Center | Flat-Rate Program | e-Tag | Part Repair Facilities | Refurbished Subassembly Program | ASCR | Product Advisories

Flat-Rate Program

Once per month, Canon's Systems & Technical Support Division issues credit under the Flat-Rate warranty program to cover the cost of defective parts and drums with a dealer cost under \$300.

No documentation or part/drum returns are required in order to receive the monthly Flat-Rate credit. This credit is calculated using purchases of machines, accessories and drums from the previous month. For example, May 2012 represents credit for purchases made in April 2012.

Product shipments to dealers of National Account and Government Marketing Division placements are treated as if the dealer had purchased the machine. They are added to the total number of wholesale purchases the dealer made.

The Flat-Rate Program applies to full-line dealers of imagePRESS (IP), imageRUNNER (IR), Color imageRUNNER (CIR), imageRUNNER ADVANCE (IR ADV), Color imageRUNNER ADVANCE (CIR ADV) and Océ VarioPrint products.

To view on-line Flat-Rate warranty credits, log onto the ISG Central website at www.isgcentral.cusa.canon.com. Go to the Canon Network Access (CNA) site and select Warranty Credit Inquiry -> Flat Rate Warranty Reimbursement.

Flat-Rate Program Links

- Flat-Rate Warranty Reimbursement Program Changes 08/06/09 (PDF: 124KB)
- FAQ's Viewing Flat-Rate Credits on CNA 05/30/08 (PDF: 24KB)

Flat-Rate Reference Table

Covered Products

- imagePRESS (IP)
- Monochrome (IR)
- Business Color (CIR)
- imageRUNNER ADVANCE (IR ADV)
- imagePASS A1, B1, B2, C1, C2, D1, E1, G1, H1, J1
- imagePRESS Server T1

Non-Covered Products

- Facsimile
- ImageCLASS
- Micrographics/DR Scanners/imageFORMULA
- imagePROGRAF
- imagePASS L-1, M-1, M-2, M-3, S-1, S-2, U-1, U-2
- ColorPASS, GX-100, GX-200, GX-300, GX-400
- imagePRESS Server Q1, Q2, A1100, A2000, A2100, A3000, A3100, A3200, J100, J200
- imagePRESS Creo Server A7000, A7500

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4. Warranty Parts for Repair

The APRFs (Authorized Parts Repair Facilities) are authorized by Canon USA to repair circuit boards for various Canon products. The APRF program is designed to help your dealership reduce service costs by having circuit boards repaired instead of purchasing brand new boards. Each circuit board is live tested and updated to the latest firmware version prior to returning it to your dealership.

Parts specified on the Canon USA Repairable Parts List must be prepaid and shipped directly to one of the following Authorized Parts Repair Facilities. Log on to the Canon USA e-Support Web site at <http://www.support.cusa.canon.com> to view the Canon USA Repairable Parts List. Go to the Warranty tab, Part Repair Facilities, Repairable Parts List. See [Figure 6 – e-Support: Authorized Parts Repair Facilities](#) for more details.

<p>Hytec Dealer Services, Inc. 3600 Vineland Road (Suite 121) Orlando, FL 32811</p>	<p>Nation-Wide Repair Service, Inc. 16151 Foster Street Overland Park, KS 66085</p>
<p>Telephone: 1-407-297-1001 Customer Service: 1-800-883-1001 Technical Support: 1-888-883-2001 Fax: 1-407-297-4310</p>	<p>Customer Service: 1-866-655-8676 Technical Support: 1-800-798-1814 Fax: 1-913-631-8372</p>

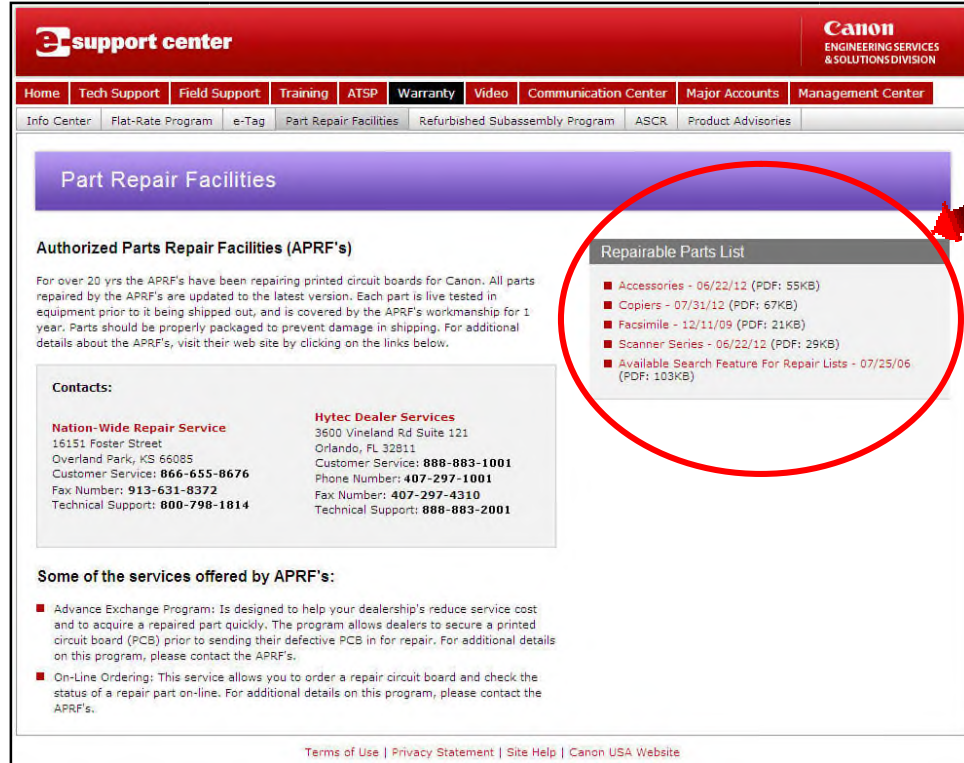
Repairable parts (under warranty) are repaired free-of-charge by the APRFs. Usually, the turnaround time is approximately five (5) business days. Once repaired and tested, the parts are shipped back to your dealership via UPS Ground.

If a part is not repairable, the APRF will contact your dealership, and Canon USA’s Warranty Control Section will issue a credit to your account.

To check the status of your part, please contact the APRF.

The Repairable Parts List index is in the Warranty section of the e-Support Center Web site at <http://www.support.cusa.canon.com> Select from the Repairable Parts List, as shown below, for the most current list.

Figure 6 – e-Support: Authorized Parts Repair Facilities



Warranty Parts over \$300.00 that are not on the Repairable Parts List

All original defective parts with a dealer cost valued over \$300.00, that are not specified on the Repairable Parts List, must be submitted to Canon Virginia, Inc. with a completed e-Tag warranty claim form, and a handwritten or computer-generated copy of the machine's service history.

Canon Virginia, Inc.
 12000 Canon Boulevard
 Newport News, VA 23606
 Attention: Warranty Returns

The service history log must include the following:

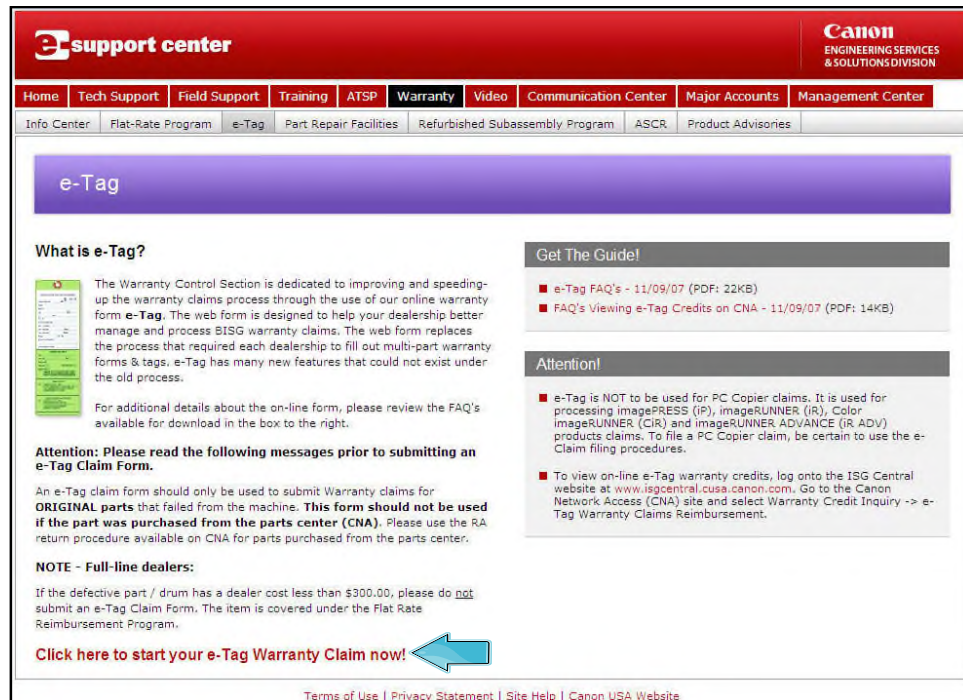
- Dealer Name
- Machine's Installation Date
- Machine's Serial Number
- Part Number
- Work Performed (Highlight Current Service Call)
- Part Description
- Date Part Was Removed
- Machine Copy Count
- Reason for Removal

5. e-Tag

e-Tag is an electronic limited warranty claim form that is completed online, printed out, and accompanied by the original defective part or defective drum that is being returned to the Warranty Control Section for warranty compensation.

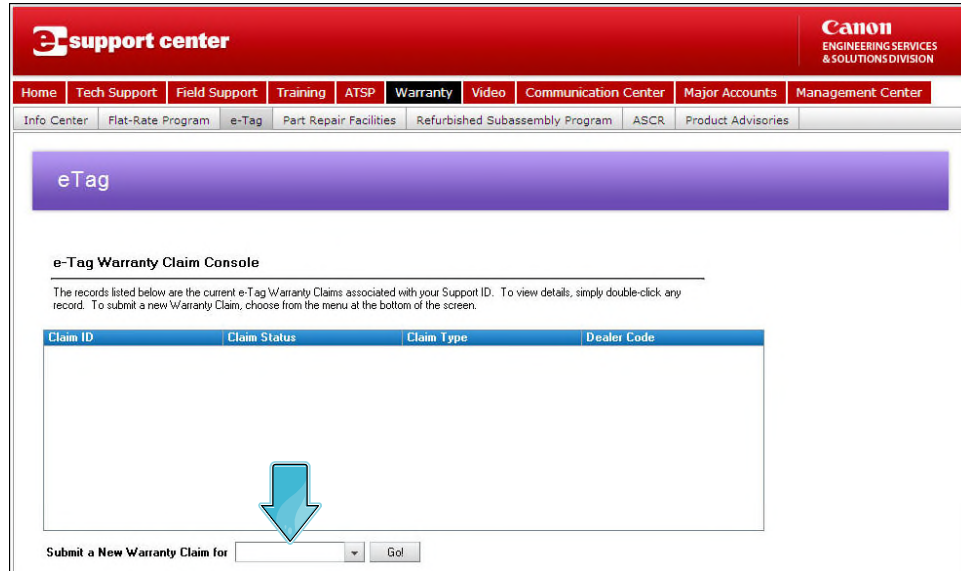
The e-Tag warranty claim form can be accessed in the Warranty section of the e-Support Center Web site at <http://www.support.cusa.canon.com>.

Figure 7 – e-Support: e-Tag



To submit a new warranty claim, select the type of claim from the drop-down list, shown below, and complete the required sections of the e-Tag limited warranty claim form.

Figure 8 – e-Support: e-Tag Claim Console



A copy of the e-Tag warranty claim form and the machine’s service history must be returned with the original defective parts to the address provided on the bottom of the e-Tag warranty claim form.

The service history log can be handwritten or computer-generated, and must include the following information:

- Dealer Name
- Machine’s Installation Date
- Machine’s Serial Number
- Part Number
- Work Performed (Highlight Current Service Call)
- Part Description
- Date Part Was Removed
- Machine Copy Count
- Reason for Removal

For defective drums, ship the drum to the address provided on the bottom of the e-Tag warranty claim form, accompanied by a copy of the e-Tag warranty claim form, the machine’s service history log, a “before” sample copy that depicts the problem, and an “after” sample copy that shows that the problem has been resolved.

After a claim form is authorized, parts, drums, and labor credits are posted on the CNA Web site the following business day.

6. Online Limited Warranty Credit Inquiry

The Online Warranty Credit Inquiry enables your dealership to check, download, and print the details of your e-Tag and Flat-Rate Program credits on the CNA (Canon Network Access) Web site.

a. e-Tag Inquiry

To view your e-Tag warranty claim credits online, log on to the ISG Central Web site at <http://www.isgcentral.cusa.canon.com>, and select “Canon Network Access (CNA)”, as shown below.

Figure 9 – ISG Central



On the CNA Web site, select “Warranty Credit Inquiry”, and then select “e-Tag Warranty Claims Reimbursement” to perform an e-Tag Warranty claims search, as shown in the following screen shots.

Figure 10 – CNA: Warranty Credit Inquiry

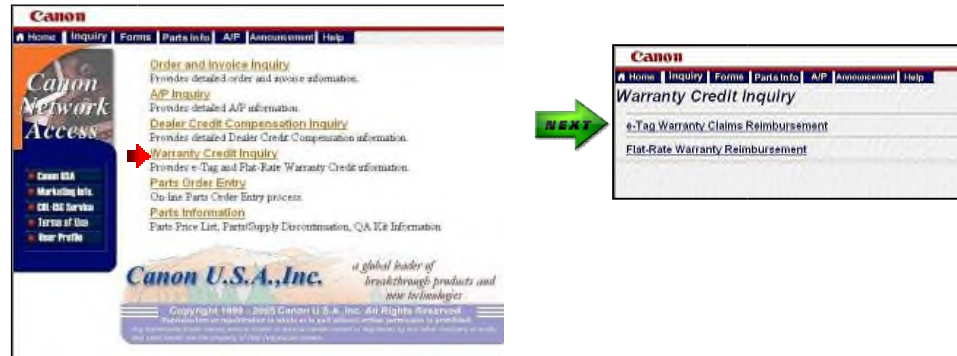


Figure 11 – CNA: e-Tag Warranty Claims Search



To check the status of the e-Tag warranty claims already submitted:

Go to the e-Tag Warranty Claim Console, as shown at the bottom of the screen shot in [Figure 8 – e-Support: e-Tag Claim Console](#). This console enables you to check the status of your claims. To view the details of the e-Tag limited warranty claim form, double-click any record.

Note: e-Tag warranty claims are connected to the e-Support ID number that is entered. Therefore, it is highly recommended that only one person enter and manage the e-Tag warranty claims from your dealership.

b. Flat-Rate Inquiry

To view your Flat-Rate warranty reimbursements online, log on to the ISG Central Web site at <http://www.isgcentral.cusa.canon.com>, and select “Canon Network Access (CNA)”, as shown below.

Figure 12 – ISG Central



On the CNA Web site, select “Warranty Credit Inquiry”, and then select “Flat-Rate Warranty Reimbursement” to perform a Flat-Rate Warranty claims search, as shown in the following screen shots.

Figure 13 – CNA: Warranty Credit Inquiry

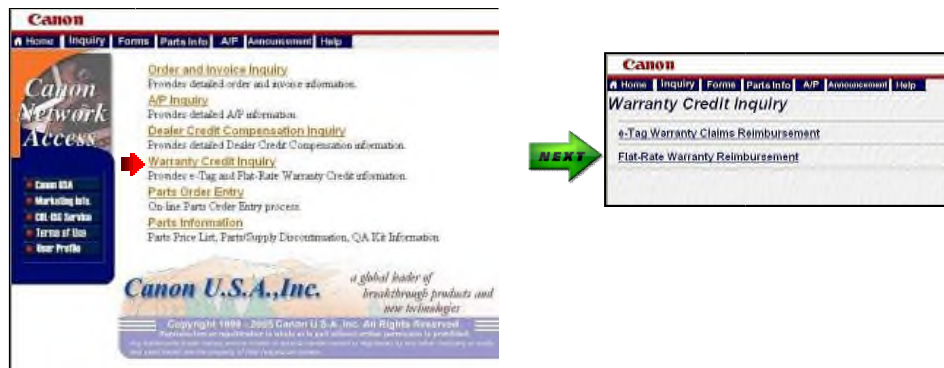


Figure 14 – CNA: Flat-Rate Warranty Reimbursement Search



C. Service Parts Availability

Service parts ordering will be available 24 hours a day, 7 days a week, 365 days a year to provide the quickest possible response should the need arise for such parts. Canon USA will provide service parts for the key units, assemblies and consumables to cover the entire machine function, and this is designed to avoid potential machine downtime for the customer. Various shipment options⁵² currently offered include:

- Next Flight Out (NFO)
- UPS (Ground, Next Day, Early AM)
- Pickup (Rush, Spot)

Table 46 – Parts Order Center Days and Hours of Operation

Days of Operation	Hours of Operation	Parts Order Center	Telephone Number
Monday – Friday	9:00 AM – 7:00 PM Eastern Standard Time	Canon Parts Order Center	866-481-2569
Monday – Friday ⁵³	7:00 PM – 9:00 AM Eastern Standard Time	24 / 7 Call Center	800-263-9271
Saturday – Sunday ⁵³ All National Holidays	24 Hours		

⁵² Shipment options are subject to change

⁵³ Only authorized dealer personnel with a unique PIN access code will be allowed to utilize this service. Contact the Canon Parts Order Center (canonparts@cusa.canon.com) for more information.

D. Parts Support Program for ColorPASS-GX400 Server

The Parts Support Program is designed to help reduce your service costs for controllers. By participating in the Parts Support Program your dealership will not be required to stock expensive parts.

Canon U.S.A., Inc. will provide replacement parts at no-charge for the ColorPASS-GX400 Server on an exchange basis for a period of nine (9) months. This includes the ninety (90) day warranty period and the six (6) months following. To obtain parts under the Parts Support program, follow these steps:

Contact the Technical Support Center at (1-800) 528-2830 to report the incident and get technical assistance. If the problem cannot be resolved over the phone, the technical support specialist will assign a “ticket” number to the case. You will need to reference this ticket number when completing the Part Order Form.

Go to the e-Support website at <http://www.support.cusa.canon.com>, navigate to the Warranty Information Center, and locate the Part Order Form under the Parts Support Information.

Complete the Part Order Form and fax it to the Warranty Control Section at (516) 328-5761.

Once the order form is received and verified, the Warranty Control Section will ship the replacement part packaged with the original order form and a return address label. The original order form must accompany the return of the defective part. The defective part must be returned within ten (10) business days otherwise your dealership will be charged (dealer cost) for the part.

For out of warranty repairs on circuit boards, please contact the Warranty Control Section at (516) 328-5744.

As indicated on the part order form, the Parts Support Program includes standard shipping at no cost to the dealership. If you request an upgrade in your delivery service, your dealership will be charged for the freight charges.

XI. Product Technical Support Offerings

A. Dealer Support Requirements

imageRUNNER ADVANCE C9200 PRO / C7200 Series Technical Training is required to receive technical support for these machines. Refer to the [Canon USA Technical Support Center](#) section for further details.

To ensure that every dealer receives the highest level of support and help to resolve the end user's problems quickly and accurately, we recommend the following to maximize your technical support request:

- Your support personnel should check technical documentation (User Manuals, Technical Publications, etc.) and the e-Support Web site (24 hours a day, 7 days a week) before calling Canon USA's TSC (Technical Support Center), since your concern may have already been addressed and documented.
- Have your Support ID number ready when you call the TSC, and make sure that you are where the engine or application is located and accessible. This dramatically improves the TSC's ability to help troubleshoot the problem, and eliminate the "guesswork" when answering a specific question. This also helps to supply you with answers that are more accurate.
- Provide the serial number of the installed engine or application you want to troubleshoot. While the serial number is required to access support, it also provides the Support Specialist with information about previous calls for support.
- Make sure to provide environment-specific information, and any other site-specific variables.
- Submit and update your profile information, such as cell phone number, e-mail address, and company address on the e-Support Web site in the Current Profile section. You can also call Canon USA's TSC. Accurate profile information enables you to contact support personnel faster, and is necessary, if more information is required from the caller later.
- At the completion of each call, a ticket number is provided. If the Support Specialist does not provide a number, the caller should ask for it.
- Have a Dealer Technician or Systems Engineer call Canon USA with what resolved your issue. This information is helpful, and enables a Support Specialist to assist other callers who may have the same problem.

B. Canon USA Support Offerings

The following support offerings were established to deliver high-quality, timely technical support services, and product information to Canon dealerships. These support services cover areas, such as system and user software, networking and connectivity issues, electro-mechanical operations, and other hardware servicing.

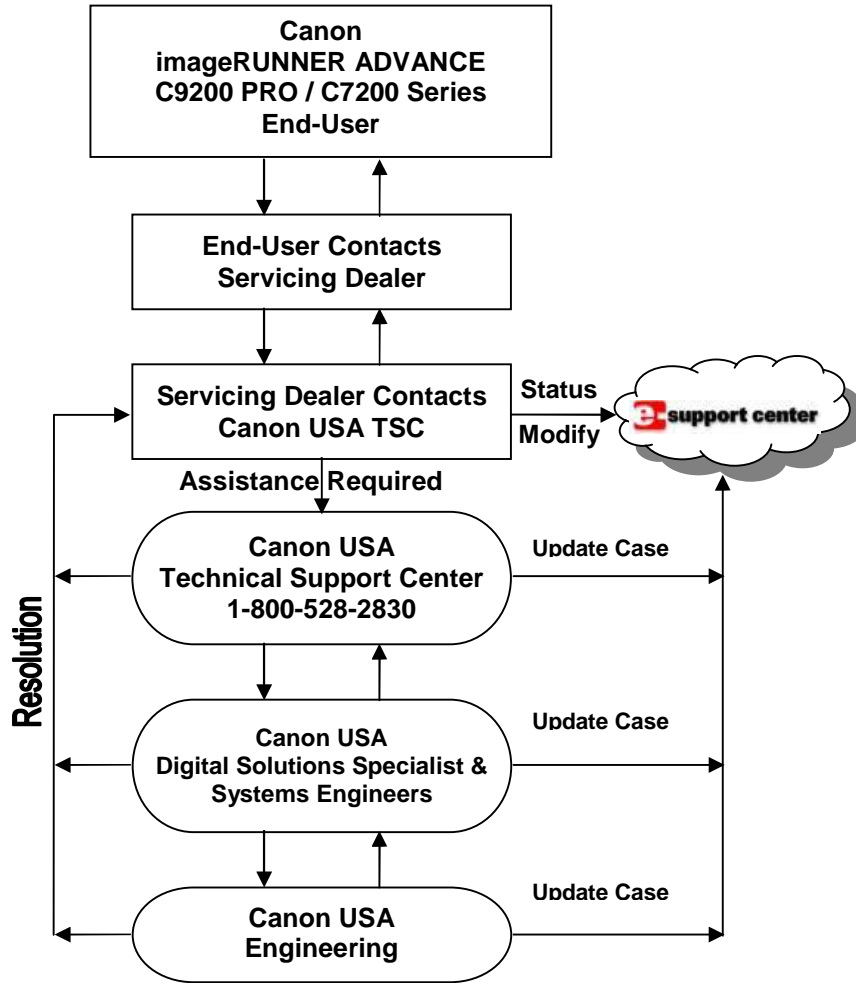
1. Canon USA Technical Support Center

Canon USA provides a time-sensitive call escalation process for all authorized imageRUNNER ADVANCE C9200 PRO / C7200 Series dealers. The TSC is the single-point of entry for this process. Once a call is placed to the TSC and information is logged into the call management system, a case number is assigned to the call. Every effort is made to resolve the problem during the call. Calls that cannot be resolved during the initial call and require escalation, must follow the process below. The status of all escalated cases can be viewed via e-Support or by calling the TSC.

Canon USA's TSC support responsibilities are as follows:

- The contracted servicing dealer solely provides all technical support for the end-user.
- The Canon USA TSC is the central contact/escalation for the reporting of all known outstanding hardware and software issues to Canon USA's engineering and software development groups.
- The Canon USA TSC is available to all Authorized Dealers, Systems Engineers, and Technicians who have successfully completed the training program.
- The TSC provides technical information regarding all Canon associated hardware and software products.
- The TSC deploys, as required through proper escalation procedures, all on-site Canon USA Digital Solutions Specialists and Systems Engineers.

Table 47 – Canon USA Support Escalation Flow Chart



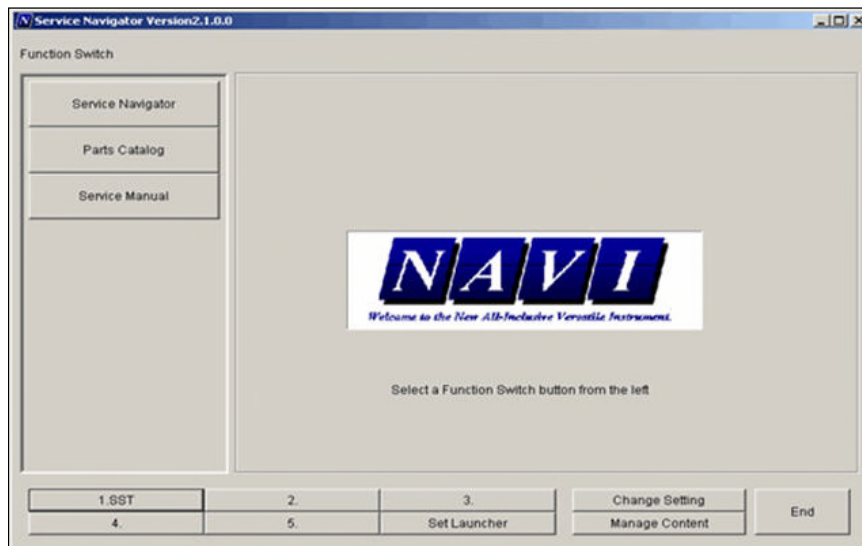
2. NAVI

NAVI is a computer-based application that is designed to function as both an information resource and diagnostic tool for Canon dealership technicians (equipped with a laptop) or dealer in-house help desk environments.

Figure 15 – NAVI: Login Screen



Figure 16 – NAVI: Main Screen



a. Benefits

- Improves the time to resolution for the more challenging technical situations faced in the field
- Increases customer satisfaction by increasing the number of first visit problem resolutions, thereby reducing the number of required second visits
- Reduces the chances of incorrect or unnecessary parts usage with NAVI's diagnostic abilities and reference information
- Enables device engine reporting to aid in service costs forecasting

b. Features

- Detects the device's engine status
- Enables you to research a knowledge base of known problem case data to solve a current machine problem when connected directly to the machine or offline (connection to the machine has not been established)
- Provides access to model servicing information, such as work procedures and electromechanical component references
- Provides a link to Canon Technical Documentation, which is offered to dealers for sale on a CD-ROM
- Provides a link to Canon Service Tools, such as the SST (Service Support Tool) and PDL Downloader
- Enables you to access the machine's Service Mode from a computer running the NAVI application, and perform the Auto Reset function (returns all machine settings back to their initial or default values)
- Enables you to adjust the machine's error and jam thresholds.
- Enables you to lookup replacement parts via a Web browser

c. Getting Started with NAVI

1) Participate in Training

The NAVI e-Learning course is available on e-Support for those technicians who have computer skills and use the SST. The NAVI e-Learning course is interactive, and contains guided simulations that show the technician how to use NAVI to service, maintain, and troubleshoot Canon devices. Technicians taking the NAVI e-Learning course will also learn how to make NAVI an integral part of their tool kit.

After the successful completion of the NAVI e-Learning course, technicians can begin to use NAVI as the tool to help them resolve field issues in a timely manner.

2) Get the NAVI Files

There are two ways to get the files to start using NAVI:

- Download the necessary files from the e-Support Web site free-of-charge. It is recommended to download these files via a high-speed Internet connection, as the files are large.
- Purchase the NAVI Catch-Up CD Set. The Catch-Up CD Set contains the basic NAVI program, documentation, and model files to add previously introduced models to a computer with NAVI installed.

3) Install NAVI and Use the Program

Use the following procedure to install and use NAVI:

- Install the core NAVI program and any patches
- Add model support, as necessary
- Add any updated model case data
- If you have previously issued technical documentation on CD-ROMs, you can link these files with NAVI

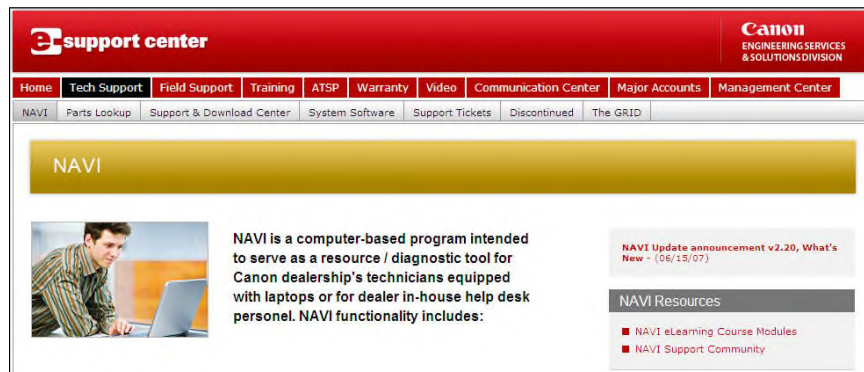
d. Updates

Continuous updates to each imageRUNNER ADVANCE model's Update Data Pack are available for download from the e-Support Web site free-of-charge.

e. NAVI Support

For additional details and information on NAVI, refer to the NAVI mini-home page on the e-Support Web site, located in the "Tech Support" tab.

Figure 17 – e-Support: NAVI's Mini-Home Page



3. Internet Support

a. Canon USA's e-Support Center Web Site

Canon USA's Engineering Services and Solutions Division (formerly the Systems and Technical Support Division) provides high-quality e-Support via the Internet, and is only available for Canon USA's Authorized Servicing Dealers.

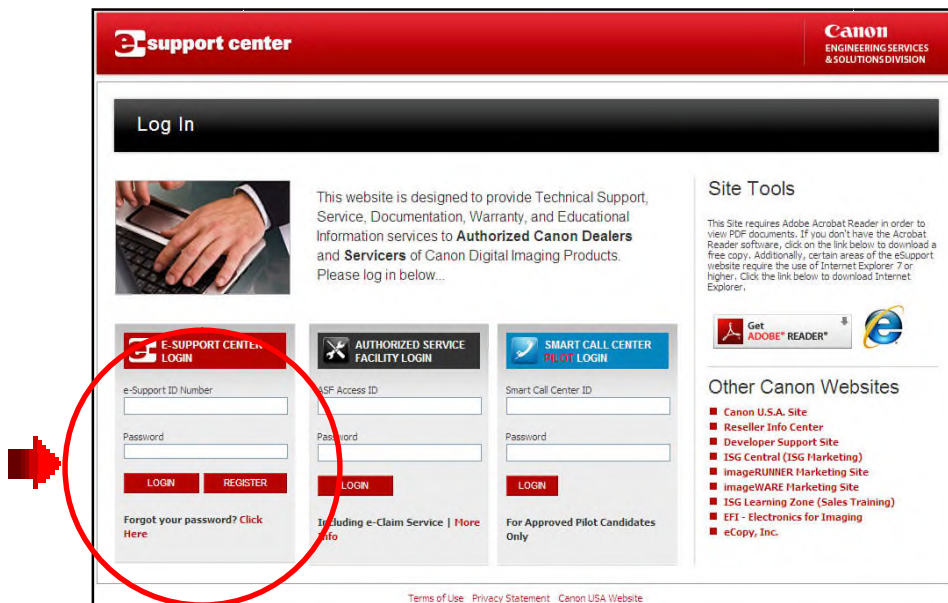
Canon USA's e-Support is designed to provide Systems Engineers and Technicians access to technical support information via the Worldwide Web.

The following functions and information can be accessed:

- Proactive notification of new releases, patches, Technical Publications, and other information via e-mail message
- Search for technical solutions with the Integrated Knowledge Management System through a natural language query
- Read or download on-line documentation
- Download patches and their Readme files
- Download firmware and software drivers
- Track and modify logged cases
- Review all open cases

To access e-Support, you must first register for an e-Support ID Number. To register for an e-Support ID number, go to the Canon USA's e-Support Center Web site at <http://www.support.cusa.canon.com>. Click on the "Register" button, and follow the instructions. This service is available at no additional charge to all authorized dealers.

Figure 18 – e-Support: Login Screen

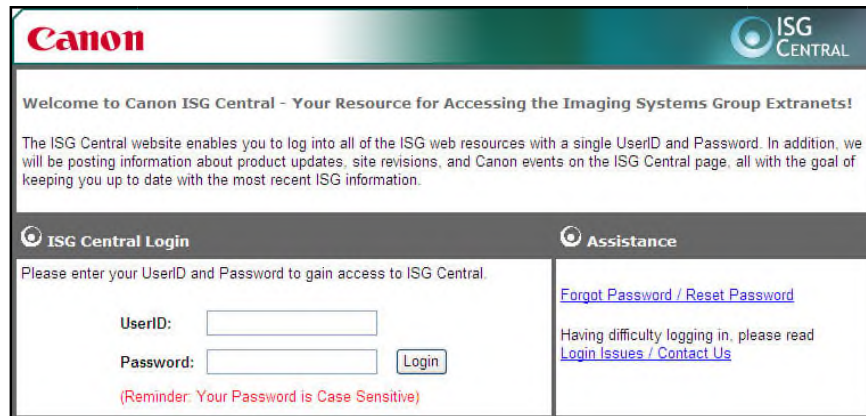


b. Canon USA’s ISG Central Web Site

Complete Service Guide versions are available on the Canon USA’s ISG Central Web site (<http://isgcentral.cusa.canon.com>).

Access is limited to an Authorized Dealer’s Management staff. Please contact your Dealer Administrator to request access to the Engineering Services and Solutions section of ISG Central.

Figure 19 – ISG Central: Login Screen

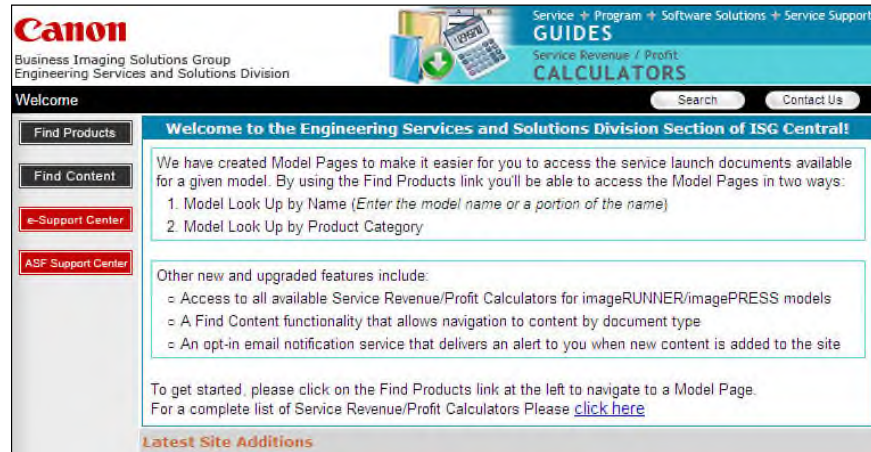


When an end-user logs on to the ISG Central Web site, he/she must select the “Engineering Services and Solutions” button to access the Service Guides area of the Web site, as shown below.

Figure 20 – ISG Central Welcome Page



Figure 21 – ISG Central: Engineering Services and Solutions Page



XII. Appendix

A. Registered Paper Types and Weight

Table 48 – Registered Paper Types and Weight

Paper Type	Paper Weight
Thin	14 lb bond to 16 lb bond (52 to 63 g/m ²)
Plain 1	17 lb bond to 21 lb bond (64 to 81 g/m ²)
Plain 2	22 lb bond to 28 lb bond (82 to 105 g/m ²)
Recycled 1	17 lb bond to 21 lb bond (64 to 81 g/m ²)
Recycled 2	21 lb bond to 28 lb bond (82 to 105 g/m ²)
Color	17 lb bond to 24 lb bond (64 to 90 g/m ²)
Heavy 1	29 lb bond to 40 lb bond (106 to 150 g/m ²)
Heavy 2	56 lb cover to 80 lb cover (151 to 220 g/m ²)
Heavy 3	82 lb cover to 140 lb index (221 to 256 g/m ²)
Heavy 4	140 lb index to 110 lb cover (257 to 300 g/m ²)
1-Sided Coated 1	29 lb bond to 66 lb cover (106 to 180 g/ m ²)
1-Sided Coated 2	67 lb cover to 80 lb cover (181 to 220 g/ m ²)
1-Sided Coated 3	82 lb cover to 140 lb index (221 to 256 g/ m ²)
1-Sided Coated 4	140 lb index to 110 lb cover (257 to 300 g/ m ²)
2-Sided Coated 1	29 lb bond to 66 lb cover (106 to 180 g/ m ²)
2-Sided Coated 2	67 lb cover to 80 lb cover (181 to 220 g/ m ²)
2-Sided Coated 3	82 lb cover to 140 lb index (221 to 256 g/ m ²)
2-Sided Coated 4	140 lb index to 110 lb cover (257 to 300 g/ m ²)
Textured 1	100 lb cover to 110 lb cover (106 to 150 g/ m ²)
Textured 2	56 lb cover to 80 lb cover (151 to 220 g/ m ²)
Textured 3	82 lb cover to 140 lb index (221 to 256 g/ m ²)
Textured 4	140 lb index to 110 lb cover (257 to 300 g/ m ²)
Tracing Paper*2	17 lb bond to 24 lb bond (64 to 90 g/ m ²)
Transparency*3	40 lb bond to 66 lb cover (151 to 180 g/ m ²)
Pre-punched	17 lb bond to 24 lb bond (64 to 90 g/ m ²)
Tab 1	40 lb bond to 66 lb cover (151 to 180 g/ m ²)
Tab 2	67 lb cover to 80 lb cover (181 to 220 g/ m ²)
Labels	56 lb cover to 66 lb cover (151 to 180 g/ m ²)
Bond	25 lb bond to 28 lb bond (91 to 105 g/ m ²)
Letterhead	56 lb cover to 66 lb cover (151 to 180 g/ m ²)

B. Specifications

Note: All specifications are for reference purposes only and are subject to change without notice.

Table 49 – imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260

Item		imageRUNNER ADVANCE			
		C9280 PRO	C9270 PRO	C7270	C7260
Type		Color Digital Multifunction Imaging System			
Copy Method		Laser Dry Electrostatic Transfer			
Developing System		Dry Dual Component Toner Projection			
Fixing System		Induction Heating On-demand Fixing			
Maximum Original Size		11" x17"			
Maximum Copy/Print Size		13" x 19 1/4"			
Minimum Copy Size		4" x 5 7/8"			
Memory		Standard 2 GB RAM, Maximum 2.5 GB RAM			
Hard Disk Drive		Standard 160 GB Hard Disk Drive, Maximum 1TB Hard Disk Drive			
Standard Interfaces		Network	Standard Ethernet 1000Base-T/100Base-TX/10Base-T Optional Wireless LAN w/Wireless LAN Kit		
		Others	USB 2.0 x2 (Host), USB 2.0 (Device) USB 2.0 x2 (w/Optional Device Port), SD Card, SDHC Card, Compact Flash, Memory Stick, Microdrive (w/Optional Multimedia Reader/Writer)		
Copy / Print Speed (Letter)	B&W	Up to 80 ppm	Up to 70 ppm	Up to 70 ppm	Up to 60 ppm
	Color	Up to 70 ppm	Up to 65 ppm	Up to 60 ppm	Up to 55 ppm
FCOT	B&W	Approximately 4.4 seconds	Approximately 4.9 seconds		
	Color	Approximately 6.0 seconds	Approximately 6.6 seconds		
Warm Up Time (at room temp. of 20°C)	From Power On	Approximately 31 Seconds			
	From Sleep Mode	Approximately 30 Seconds			
Engine Resolution		Up to 1,200x1,200dpi			
Halftone		256 Gradations (Continuous-Tone)			
Standard Paper Capacity (20 lb Bond)		Two Paper Cassettes: Up to 550 sheets each Two Paper Drawers: Up to 1,100 sheets each Multi-Purpose Tray: Up to 100 sheets			
Optional Paper Capacity (20 lb Bond)	Paper Deck-C1	Up to 3,500 Sheets			
	POD Deck Lite-A1	Up to 3,500 Sheets			
	Multi-Drawer Paper Deck-A1	Three paper Drawers: Up to 2,000 sheets each		Not Available	
Maximum Paper Capacity (20 lb Bond)		Up to 9,300 Sheets		Up to 6,900 Sheets	
Paper Size	Paper Drawer 1, 2 (Left & Right)	LTR			
	Paper Drawer 3, 4 (Lower)	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (5 1/2" x 7 1/8" to 13" x 19 1/4" (139.7 x 182 mm to 330.2 mm x 487.7 mm))			
	Multi-Purpose Tray	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 mm x 148 mm to 330.2 mm x 487.7 mm)) and Envelopes			

**Table 49 – imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260
Continued**

Item		imageRUNNER ADVANCE			
		C9280 PRO	C9270 PRO	C7270	C7260
Paper Drawer 1, 2 (Left & Right)	Paper Weight	14 lb bond - 80 lb cover (52 g/m ² - 220 g/m ²)			
	Paper Type ⁵⁴	Thin, Plain 1, Plain 2, Recycled 1, Recycled 2, Color, Heavy 1, Heavy 2, Transparency, Pre-Punched, Bond, Letterhead			
Paper Drawer 3, 4 (Lower)	Paper Weight	14 lb bond - 80 lb cover (52 g/m ² - 220 g/m ²)			
	Paper Type ⁵⁴	Thin, Plain 1, Plain 2, Recycled 1, Recycled 2, Color, Heavy 1, Heavy 2, Transparency, Pre-Punched, Tab 1, Tab 2, Bond, Letterhead			
Multi-Purpose Tray	Paper Weight	14 lb bond - 110 lb cover (52 g/m ² - 300 g/m ²)			
	Paper Type ⁵⁴	Thin, Plain 1, Plain 2, Recycled 1, Recycled 2, Color, Heavy 1, Heavy 2, Heavy 3, Heavy 4, 1-Sided, Coated 1, 1-Sided Coated 2, 1-Sided Coated 3, 1-Sided Coated 4, 2-Sided Coated 1, 2-Sided Coated 2, 2-Sided Coated 3, 2-Sided Coated 4, Textured 1, Textured 2, Textured 3, Textured 4, Tracing Paper, Transparency, Pre-punched, Tab 1, Tab 2, Labels, Bond, Letterhead, Envelope			
Duplexing		Standard Automatic Trayless Duplexing			
Dimensions (HxWxD)		55 1/4" x 46 1/2" x 36 3/4" (1,403 mm x 1180 mm x 932 mm) (To the top and right edge of the Upright control panel in the standard position)		48 1/8" x 27 1/8" x 36 3/4" (1,221 mm x 689 mm x 932 mm)	
Weight (Includes, DADF and consumables)		Approximately 615 lb (279 kg)		Approximately 604 lb (274 kg)	
Installation Space (WxD) ⁵⁵ (when the Copy Tray-P1 and Duplex Color Image Reader Unit-F1 are attached, and the multi-purpose tray and the auxiliary tray are extended)		Approximately 63" x 36 3/4" (1,600 mm x 932 mm)		Approximately 52 7/8" x 36 3/4" (1,344 mm x 932 mm)	
Power Requirement		208V AC / 60Hz / 15A		120V AC / 60Hz / 20A	
Plug		NEMA 6-15P		NEMA 5-20P	
Power Consumption	Maximum	2.5 kW or less		2.0 kW or less	
	Sleep Mode	Approximately 0.9 W			
Energy Star Qualified		YES			

⁵⁴ Reference [Registered Paper Types and Weight](#) for the available paper weights.

⁵⁵ Does Not including space for service

Table 50 – Duplex Color Image Reader Unit-F1

Duplex Color image Reader Unit-F1					
Item		Specification			
Original Feeding Mechanism		Single Pass Duplex Automatic Document Feeder			
Paper Size		11" x 17", LGL, LTR, LTRR, STMT, or STMTR			
Weight of Originals		1-Sided Scanning: 13 lb bond to 80 lb cover (50 to 220 g/m ²) 2-Sided Scanning: B&W Original: 13 lb bond to 80 lb cover (50 to 220 g/m ²) Color Original: 17 lb bond to 80 lb cover (64 to 220 g/m ²)			
Original Tray Capacity		Up to 300 sheets (20 lb bond (80 g/m ²))			
Scan Speed		Simplex			
		Scan @ 300 dpi	Color	Up to 120 ipm	Up to 140 ipm
			B&W	Up to 120 ipm	Up to 200 ipm
		Copy @ 600 dpi	Color	Up to 70 ipm	Up to 70 ipm
		B&W	Up to 120 ipm	Up to 120 ipm	
Resolution for Reading		Up to 600 dpi x 600 dpi			
Acceptable Originals		Sheet, book, three dimensional objects (up to 4.4 lb (2 kg))			
Magnification		Regular paper size: Same Ratio 1:1 Reduction 1:0.78 (LGL → LTR) 1:0.73 (11" x 17" → LGL, 11" x 15" → LTR) 1:0.64 (11" x 17" → LTR) 1:0.50 (11" x 17" → STMT) 1:0.25 Enlargement 1:1.21 (LGL → 11" x 17") 1:1.29 (LTR → 11" x 17") 1:2.00 (STMT → 11" x 17") 1:4.00 Copy Ratio: 25 to 400% (in 1% increments)			
Power Source		From the main unit			
Maximum Power Consumption		Approximately 185 W (feeder and reader)			
Dimensions (H x W x D)		Approximately: 10" x 25" x 23 7/8" (253 mm x 635 mm x 605 mm) (feeder and reader)			
Weight		Approximately 87.1 lb (39.5 kg) (feeder and reader)			

Table 51 – Paper Deck Unit-C1

Paper Deck Unit-C1	
Item	Specification
Paper Sizes	LTR
Paper Weight	14 lb bond to 80 lb cover (52 to 220 g/m ²)
Paper Types ⁵⁴	Thin, Plain1, Plain 2, Heavy 1, Heavy 2, Color, Recycled, Letterhead, and Pre-Punched
Paper Deck Capacity	Up to 3,500 sheets (20 lb bond (80 g/m ²))
Power Requirement	From main unit
Maximum Power Consumption	Approximately 44 W
Dimensions (HxWxD)	Approximately 22 1/2" x 12 3/4" x 22" (570 mm x 323 mm x 583 mm)
Weight	Approximately 81.6 lb (37 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	C9280 PRO / C9065PRO: Approximately 63" x 36 3/4" (1,600 mm x 932 mm) C7270 / C7260: Approximately 54 7/8" x 36 3/4" (1,393 mm x 932 mm) (When the auxiliary tray is extended)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 52 – POD Deck Lite-A1

POD Deck Lite-A1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR
Paper Weight	14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-punched, Bond, Labels, Transparency, Coated, Textured, and Letterhead
Paper Deck Capacity	Up to 3,500 sheets (20 lb bond (80 g/m ²))
Power Requirement	120-127V AC, 60Hz, 2.4 A
Maximum Power Consumption	263 W Maximum
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 22 1/2" x 23 5/8" x 24 1/2" (570 mm x 601 mm x 621 mm)
Weight	Approximately 110 lb (50 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 65 3/4" x 36 3/4" (1,671 mm x 932 mm) (when the Copy Tray-P1 and Duplex Color Image Reader Unit-F1 are attached, and the auxiliary tray is extended)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 53 – Multi-Drawer Paper Deck-A1

Multi-Drawer Paper Deck-A1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16" , 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, Custom Size (5 1/2" x 7 1/8" to 13" x 19 1/4" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm))
Paper Weight	14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-punched, Transparency, Labels, Tab, Bond, Letterhead, Coated, and Textured
Paper Deck Capacity	Three paper decks: Up to 2,000 sheets each (Up to 6,000 sheets total) (20 lb bond (80 g/m ²))
Power Requirement	120-127V 60Hz 4 A
Maximum Power Consumption	Approximately 753 W Maximum
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 41" x 37 3/8" x 31 3/8" (1,040 mm x 950 mm x 797 mm)
Weight	Approximately 331 lb (150 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 79 1/2" x 36 3/4" (2,020 mm x 932 mm) (When the auxiliary tray is extended)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 54 – Document Insertion Unit-H1

Document Insertion Unit-H1		
Item	Specification	
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, Custom Size(7 1/8" x 7 1/8" to 13" x 19 1/4" (139.7 mm x 182 mm to 330.2 mm x 487.7 mm))	
Paper Weight	14 lb bond to 110 lb cover (52 to 300 g/m ²)	
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-punched, Tab, Bond, Letterhead, Coated, Textured, and Tracing	
Number of Trays	2	
Paper Capacity	Upper Tray	Up to 200 sheets (20 lb bond (80 g/m ²))
	Lower Tray	Up to 200 sheets (20 lb bond (80 g/m ²))
Power Requirement	AC100-240V / 2.8 A	
Maximum Power Consumption	50/60Hz / 103 W	
Plug	120V, 60Hz, 15A / NEMA 5-15P	
Dimensions (HxWxD)	Approximately 55 3/8" x 26 3/8" x 31 1/4" (1,407 mm x 746 mm x 793 mm)	
Weight	Approximately 134 lb (61 kg)	
Installation Space Including the Main Unit (WxD) ⁵⁵	imageRUNNER ADVANCE C9280 PRO / C9065PRO: With Staple Finisher-K1: Approximately 98 1/8" x 36 3/4" (2,493 mm x 932 mm) With Booklet Finisher-K1: Approximately 102 5/8" x 36 3/4" (2,607 mm x 932 mm) (The multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))	

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 55 – Document Insertion / Folding Unit-G1

Document Insertion / Folding Unit-G1	
Item	Specification
Paper Size	Z-Fold: LTRR, LGL, and 11" x 17" C-Fold: LTRR Insertion Unit: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, and EXEC
Paper Weight	Z-Fold: 16 lb bond to 28 lb bond (60 g/m ² to 105 g/m ²) C-Fold: 16 lb bond to 28 lb bond (60 g/m ² to 105 g/m ²) Insertion Unit: 16 lb bond to 140 lb index (60 g/m ² to 256 g/m ²)
Paper Types ⁵⁴	C-Fold/Z-Fold: Thin, Plain 1, Plain 2, Color, and Recycled Insertion Unit: Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Color, Recycled, Tab, Bond, Letterhead, Coated, and Textured
Capacity of the exit slot of the paper folding unit	C-Fold: 40 sheets (20 lb bond (80 g/m ²) (or 2 3/8" (60 mm) in height)
Capacity of the document insertion unit	Up to 100 sheets (20 lb bond (80 g/m ²))
Power Requirement	AC 100-240V / 5.0A, 50/60Hz
Maximum Power Consumption	Approximately 136 W
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 48 7/8" x 26 1/8" x 26 3/4" (1,242 mm x 662 mm x 679 mm)
Weight	Approximately 168 lb (76 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 83 7/8" x 36 3/4" (2,130 mm x 932 mm) (When the Booklet Finisher-L1/Staple Finisher-L1 is attached, and the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 56 – Paper Folding Unit-G1

Paper Folding Unit-G1	
Item	Specification
Paper Size	Z-Fold: LTRR, LGL, and 11" x 17" C-Fold: LTRR Accordion Z-Fold: LTRR Double Parallel Fold: LTRR and LGL Half Fold: LTRR
Paper Weight	Z-Fold: 14 lb bond to 28 lb bond (52 g/m ² to 105 g/m ²) C-Fold: 14 lb bond to 28 lb bond (52 g/m ² to 105 g/m ²) Accordion Z-Fold: 14 lb bond to 28 lb bond (52 g/m ² to 105 g/m ²) Double Parallel Fold: 14 lb bond to 24 lb bond (52 g/m ² to 90 g/m ²) Half Fold: 14 lb bond to 28 lb bond (52 g/m ² to 105 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Color, Recycled, and Bond
Power Requirement	From the finisher
Maximum Power Consumption	Approximately 132 W
Dimensions (HxWxD)	Approximately 46 7/8" x 13 1/4" x 31 1/4" (1,190 mm x 336 mm x 793 mm)
Weight	Approximately 157 lb (71 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	imageRUNNER ADVANCE C9280 PRO / C9065PRO: With Staple Finisher-K1: Approximately 98 1/8" x 36 3/4" (2,493 mm x 932 mm) With Booklet Finisher-K1: Approximately 102 5/8" x 36 3/4" (2,607 mm x 932 mm) (The multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 57 – Document Insertion Unit-J1

Document Insertion Unit-J1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC
Paper Weight	16 lb bond to 140 lb index (60 to 256 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Color, Recycled, Tab, Bond, Letterhead, Coated, and Textured
Paper Capacity	Up to 100 sheets (20 lb bond (80 g/m ²))
Power Requirement	AC100-240 V / 1.0A, 50/60Hz
Maximum Power Consumption	Approximately 85 W
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 48 7/8" x 26 1/8" x 26 3/4" (1,242 mm x 662 mm x 679 mm)
Weight	Approximately 88.2 lb (40 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 82 3/4" x 36 3/4" (2,103 mm x 932 mm) (When the Booklet Finisher-L1/Staple Finisher-L1 is attached, and the multi-purpose tray and the auxiliary tray are extended)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 58 – Copy Tray-P1

Copy Tray-P1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)), and Envelopes
Paper Weight	14 lb Bond to 110 lb Cover (52 g/m ² to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated, Textured, and Envelopes
Paper Capacity (20lb. Bond)	1 side: Up to 250 Sheets 2-side: Up to 100 sheets
Dimensions (HxWxD)	Approximately 6 7/8" x 16 1/2" x 15" (175 mm x 420 mm x 382 mm)
Weight	Approximately 2.9 lb (1.3 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	C9280 PRO / C9065PRO: Approximately 63" x 36 3/4" (1,600 mm x 932 mm) C7270 / C7260: Approximately 52 7/8" x 36 3/4" (1,344 mm x 932 mm) (When the auxiliary tray is extended)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 59 – Staple Finisher-K1

Staple Finisher-K1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)), and Envelopes
Paper Weight	14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated, Textured, and Envelopes
Capacity Per Tray	No Collating mode Tray A: LTR, STMTR, and EXEC: Up to 1,500 sheets (or 7 3/4" (195 mm) in height) ⁵⁶ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, and LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height) Tray B: LTR and STMTR: Up to 250 sheets (or 1 1/4" (32 mm) in height) 11" x 17", LGL, LTRR, and EXEC: Up to 125 sheets (or 5/8" (16 mm) in height) 13" x 19", 12 5/8" x 17 11/16", and 12" x 18": Up to 30 sheets Tray C: LTR: Up to 2,500 sheets (or 12 3/4" (325 mm) in height) ⁵⁶ STMTR and EXEC: Up to 1,500 sheets (or 6 3/8" (162 mm) in height) ⁵⁶ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL and LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height)

54 Reference Registered Paper Types and Weight for the available paper weights.

56 Up to 750 sheets (or 3 7/8" (97 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m²) is selected.

Table 59 – Staple Finisher-K1 Continued

Staple Finisher-K1	
Item	Specification
Capacity Per Tray	<p>Collate, Group mode</p> <p>Tray A, Tray C: LTR and EXEC: Up to 1,500 sheets (or 7 3/4" (195 mm) in height)⁵⁶ 11" x 17", LGL, and LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Staple mode</p> <p>Tray A, Tray C: One point at front (diagonal)/One point at back (diagonal)/Two points in center (parallel) LTR and EXEC: Up to 1,500 sheets/100 sets (7 3/4" or (195 mm) in height)⁵⁶ 11" x 17", LGL, and LTRR: Up to 750 sheets/50 sets (3 7/8" (97 mm) in height)</p> <p>No Collating mode with different paper sizes</p> <p>Tray A: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Tray B: 11" x 17", LGL, LTRR, LTR, STMTR, and EXEC: Up to 125 sheets (or 5/8" (16 mm) in height)⁵⁷</p> <p>Tray C: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Collate/Group/Staple mode with different paper sizes</p> <p>Tray A, Tray C: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Z-Fold mode (When the Paper Folding Unit-G1 is attached)</p> <p>Tray A : 11" x 17": Up to 30 sheets LTRR and LGL: Up to 10 sheets</p> <p>Tray B: 11" x 17", LGL, and LTRR: Up to 10 sheets</p> <p>Tray C: 11" x 17": Up to 30 sheets LTRR and LGL: Up to 10 sheets</p> <p>Half Fold mode (When the Paper Folding Unit-G1 is attached)</p> <p>Tray A: LTRR: Up to 10 sheets</p> <p>Tray B: LTRR: Up to 10 sheets</p> <p>Tray C: LTRR: Up to 10 sheets</p>

⁵⁶ Up to 750 sheets (or 3 7/8" (97 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m2) is selected.

⁵⁷ Up to 30 sheets when printing on mixed paper sizes including: 13" x 19", 12 5/8" x 17 11/16", and 12" x 18".

Table 59 – Staple Finisher-K1 Continued

Staple Finisher-K1	
Item	Specification
Maximum Stapling Capacity	When the standard staple cartridge is attached: (The maximum stapling capacity may vary, depending on the paper type and weight.) LTR and EXEC: Up to 100 sheets (20 lb bond (80 g/m ²) or Heavy paper below 1/2" (11 mm) 11" x 17", LGL, and LTRR: Up to 50 sheets (20 lb bond (80 g/ m ²) or Heavy paper below 1/4" (5.5 mm) Corner Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC
Power Requirement	AC100-240V, 50/60Hz, 2.8 A
Maximum Power Consumption	Approximately 286 W (including the Puncher Unit-BF1) Approximately 282 W (excluding the Puncher Unit-BF1)
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 41" x 25 3/4" x 30 1/8" (1,040 mm x 654 mm x 765 mm) Approximately 41" x 30 3/4" x 30 1/8" (1,040 mm x 782 mm x 765 mm) (When the auxiliary tray is extended)
Weight	Approximately 141 lb (64 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 84 3/4" x 36 3/4" (2,152 mm x 932 mm) (When the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1)) Approximately 111 5/8" x 36 3/4" (2,834 mm x 932 mm) (When the Document Insertion Unit-H1 and Paper Folding Unit-G1 are attached, the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))

55 Does not include space for service.

Table 60 – Staple Finisher-L1

Staple Finisher-L1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)), and Envelopes
Paper Weight	Tray A: 14 lb bond to 140 lb index (52 to 256 g/m ²) Tray B: 14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated, Textured, and Envelopes
Capacity Per Tray	No Collating mode Tray A: LTR, STMTR, and EXEC: 250 sheets (or 1 3/4" (43 mm) in height) 13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: 125 sheets (or 7/8" (21 mm) in height)

54 Reference Registered Paper Types and Weight for the available paper weights.

Table 60 – Staple Finisher-L1 Continued

Staple Finisher-L1	
Item	Specification
Capacity Per Tray	<p>No Collating mode</p> <p>Tray B: LTR, STMTR, and EXEC : 1,300 sheets (or 7 3/8" (188 mm) in height)⁵⁸ 13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR: 2,450 sheets (or 13 5/8" (347 mm) in height)⁵⁸ STMTR and EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height)⁵⁸</p> <p>13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Collate, Group mode</p> <p>Tray B: LTR and EXEC: 1,300 sheets (or 7 3/8" (188 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, and EXEC: 1,700 sheets (or 9 5/8" (243 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple mode</p> <p>Tray B, Tray C: LTR and EXEC: 1,300 sheets/100 sets (or 7 3/8" (188 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>Z-Fold mode (When the Document Insertion/Folding Unit-G1 is attached)</p> <p>Tray B, Tray C: 11" x 17": Up to 30 sheets (10 sheets per set when stapling) LGL and LTRR: Up to 10 sheets</p> <p>No Collating/Collate/Group mode with different paper sizes: Tray B, Tray C: 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple mode with different paper sizes: Tray B, Tray C: 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p>
Maximum Stapling Capacity	<p>When the standard staple cartridge is attached: (The maximum stapling capacity may vary, depending on the paper type and weight.)</p> <p>LTR and EXEC: Up to 50 sheets (20 lb bond (80 g/m²)) 11" x 17", LGL, and LTRR: Up to 30 sheets (20 lb bond (80 g/m²))</p> <p>Corner Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC Double Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC</p>
Power Requirement	From the main unit
Maximum Power Consumption	Approximately 130 W (including the External 2/3 Hole Puncher-A1) Approximately 124 W (excluding the External 2/3 Hole Puncher-A1)
Dimensions (HxWxD)	Approximately 44 1/8" x 25 3/8" x 25 7/8" (1,121 mm x 644 mm x 656 mm) Approximately 44 1/8" x 30" x 25 7/8" (1,121 mm x 761 mm x 656 mm) (When the auxiliary tray is extended)
Weight	Approximately 141 lb (64 kg)

⁵⁸ Up to 650 sheets (or 3 3/4" (96 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m²) is selected.

Table 60 – Staple Finisher-L1 Continued

Staple Finisher-L1	
Item	Specification
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 75 5/8" x 36 3/4" (1,870 mm x 932 mm) (When the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))
	Approximately 78 1/4" x 36 3/4" (1,987 mm x 932 mm) (When the External 2/3 Hole Puncher-A1 is attached, and the auxiliary tray is extended (including the Buffer Pass Unit-J1))

55 Does not include space for service.

Table 61 – Booklet Finisher-K1

Booklet Finisher-K1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)), and Envelopes
Paper Weight	14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated, Textured, and Envelopes
Capacity Per Tray	<p>No Collating mode</p> <p>Tray A: LTR, STMTR, and EXEC: Up to 1,500 sheets (or 7 3/4" (195 mm) in height)⁵⁶ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, and LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Tray B: LTR and STMTR: Up to 250 sheets (or 1 1/4" (32 mm) in height) 11" x 17", LGL, LTRR, and EXEC: Up to 125 sheets (or 5/8" (16 mm) in height) 13" x 19", 12 5/8" x 17 11/16", and 12" x 18": Up to 30 sheets</p> <p>Tray C: LTR: Up to 2,500 sheets (or 12 3/4" (325 mm) in height)⁵⁶ STMTR and EXEC: Up to 1,500 sheets (or 6 3/8" (162 mm) in height)⁵⁶ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL and LTRR: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Collate, Group mode</p> <p>Tray A, Tray C: LTR and EXEC: 1,500 sheets (or 7 3/4" (195 mm) in height)⁵⁶ 11" x 17", LGL, and LTRR: 750 sheets (or 3 7/8" (97 mm) in height)</p>

54 Reference Registered Paper Types and Weight for the available paper weights.

56 Up to 750 sheets (or 3 7/8" (97 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m2) is selected.

Table 61 – Booklet Finisher-K1 Continued

Booklet Finisher-K1	
Item	Specification
Capacity Per Tray	<p>Staple mode Tray A, Tray C: One point at front (diagonal)/One point at back (diagonal)/Two points in center (parallel) LTR and EXEC: Up to 1,500 sheets/100 sets (7 3/4" or (195 mm) in height)⁵⁶ 11" x 17", LGL, and LTRR: Up to 750 sheets/50 sets (3 7/8" (97 mm) in height)</p> <p>No Collating mode with different paper sizes Tray A: Up to 750 sheets (or 3 7/8" (97 mm) in height) Tray B: 11" x 17", LGL, LTRR, LTR, STMTR, and EXEC: Up to 125 sheets (or 5/8" (16 mm) in height)⁵⁹ Tray C: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Collate/Group/Staple mode with different paper sizes Tray A, Tray C: Up to 750 sheets (or 3 7/8" (97 mm) in height)</p> <p>Z-Fold mode (When the Paper Folding Unit-G1 is attached) Tray A : 11" x 17": Up to 30 sheets LTRR and LGL: Up to 10 sheets Tray B: 11" x 17", LGL, and LTRR: Up to 10 sheets Tray C: 11" x 17": Up to 30 sheets LTRR and LGL: Up to 10 sheets</p> <p>Half Fold mode (When the Paper Folding Unit-G1 is attached) Tray A: LTRR: Up to 10 sheets Tray B: LTRR: Up to 10 sheets Tray C: LTRR: Up to 10 sheets</p> <p>Saddle Stitch mode: 1 to 5 sheets/25 sets, 6 to 10 sheets/15 sets, 11 to 16 sheets/10 sets, 17 to 20 sheets/5 sets</p>
Maximum Stapling Capacity	<p>When the standard staple cartridge is attached: (The maximum stapling capacity may vary, depending on the paper type and weight.) LTR and EXEC: Up to 100 sheets (20 lb bond (80 g/m²)) or Heavy paper below 1/2" (11 mm) 11" x 17", LGL, and LTRR: Up to 50 sheets (20 lb bond (80 g/ m²)) or Heavy paper below 1/4" (5.5 mm)</p> <p>Corner Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC</p> <p>Double Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC</p>
Available Saddle Stitch Capacity/Size	<p>Saddle Stitch: 20 sheets (including 1 cover sheet (110 lb cover (300 g/m²)) (21 lb bond (81 g/m²)) Saddle Folding: 5 sheets (21 lb bond (81 g/m²)) Size: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR, Custom Size (8 1/4" x 11" to 13" x 19 1/4 (210 mm x 279 mm to 330.2 mm x 487.7 mm))</p>
Power Requirement	AC100-240V, 50/60Hz, 2.8 A

⁵⁶ Up to 750 sheets (or 3 7/8" (97 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m²) is selected.

⁵⁹ Up to 30 sheets when printing on mixed paper sizes including: 13" x 19", 12 5/8" x 17 11/16", and 12" x 18".

Table 61 – Booklet Finisher-K1 Continued

Booklet Finisher-K1	
Item	Specification
Maximum Power Consumption	Approximately 380 W (including the Puncher Unit-BF1 and inner Booklet Trimmer-A1) Approximately 349 W (excluding the Puncher Unit-BF1 and inner Booklet Trimmer-A1)
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 41" x 30 1/4" x 30 1/8" (1,040 mm x 767 mm x 765 mm) Approximately 41" x 35 1/4" x 30 1/8" (1,040 mm x 896 mm x 765 mm) (When the auxiliary tray is extended)
Weight	Approximately 243 lb (64 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 89 1/4" x 36 3/4" (2,266 mm x 932 mm) (When the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1)) Approximately 116 1/8" x 36 3/4" (2,948 mm x 932 mm) (When the Document Insertion Unit-H1 and Paper Folding Unit-G1 are attached, the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1))

55 Does not include space for service.

Table 62 – Booklet Finisher-L1

Booklet Finisher-L1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11"x17", LGL, LTR, LTRR, EXEC, STMTR, Custom Size (4" x 5 7/8" to 13" x 19 1/4" (100 x 148 mm to 330.2 mm x 487.7 mm)), and Envelopes
Paper Weight	Tray A: 14 lb bond to 140 lb index (52 to 256 g/m ²) Tray B: 14 lb bond to 110 lb cover (52 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, Coated, Textured, and Envelopes
Capacity Per Tray	No Collating mode Tray A: LTR, STMTR, and EXEC: Up To 250 sheets (or 1 3/4" (43 mm) in height) 13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: Up To 125 sheets (or 7/8" (21 mm) in height) Tray B: LTR, STMTR, and EXEC : Up To 1,300 sheets (or 7 3/8" (188 mm) in height) ⁵⁸ 13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: Up To 650 sheets (or 3 3/4" (96 mm) in height) Tray C: LTR: Up To 2,450 sheets (or 13 5/8" (347 mm) in height) ⁵⁸ STMTR and EXEC: Up To 1,700 sheets (or 9 5/8" (243 mm) in height) ⁵⁸ 13" x 19", 12 5/8" x 17 3/4", 12" x 18", 11" x 17", LGL, and LTRR: Up To 650 sheets (or 3 3/4" (96 mm) in height)

54 Reference Registered Paper Types and Weight for the available paper weights.

58 Up to 650 sheets (or 3 3/4" (96 mm in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m²) is selected.

Table 62 – Booklet Finisher-L1 Continued

Booklet Finisher-L1	
Item	Specification
Capacity Per Tray	<p>Collate, Group mode</p> <p>Tray B: LTR and EXEC: Up To 1,300 sheets (or 7 3/8" (188 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR: Up To 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Tray C: LTR, and EXEC: Up To 1,700 sheets (or 9 5/8" (243 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR: Up To 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple mode</p> <p>Tray B, Tray C: LTR and EXEC: Up To 1,300 sheets/100 sets (or 7 3/8" (188 mm) in height)⁵⁸ 11" x 17", LGL, and LTRR Up To 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>Z-Fold mode (When the Document Insertion/Folding Unit-G1 is attached)</p> <p>Tray B, Tray C: 11" x 17": Up To 30 sheets (Up To 10 sheets per set when stapling) LGL and LTRR: Up to 10 sheets</p> <p>No Collating/Collate/Group mode with different paper sizes: Tray B, Tray C: Up To 650 sheets (or 3 3/4" (96 mm) in height)</p> <p>Staple mode with different paper sizes: Tray B, Tray C: Up To 650 sheets/50 sets (or 3 3/4" (96 mm) in height)</p> <p>Saddle Stitch mode: 1 to 5 sheets/25 sets 6 to 10 sheets/15 sets 11 to 16 sheets/10 sets</p>
Maximum Stapling Capacity	<p>When the standard staple cartridge is attached: (The maximum stapling capacity may vary, depending on the paper type and weight.)</p> <p>LTR and EXEC: Up to 50 sheets (20 lb bond (80 g/m²)) 11" x 17", LGL, and LTRR: Up to 30 sheets (20 lb bond (80 g/m²))</p> <p>Corner Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC</p> <p>Double Stapling: 11" x 17", LGL, LTR, LTRR, and EXEC</p>
Available Saddle Stitch Capacity/Size	<p>Saddle Stitch: 16 sheets (including 1 cover sheet (140 lb index (256 g/m²)) (20 lb bond (80 g/m²))</p> <p>Saddle Folding: 1 sheets (20 lb bond (80 g/m²))</p> <p>Size: 12" x 18", 11" x 17", LGL, and LTRR</p>
Power Requirement	From the main unit
Maximum Power Consumption	Approximately 151 W (including the External 2/3 Hole Puncher-A1) Approximately 125 W (excluding the External 2/3 Hole Puncher-A1)
Plug	120V, 60Hz, 15A / NEMA 5-15P
Dimensions (HxWxD)	Approximately 44 1/8" x 25 1/2" x 25 7/8" (1,121 mm x 646 mm x 656 mm) Approximately 44 1/8" x 30" x 25 7/8" (1,121 mm x 761 mm x 656 mm) (When the auxiliary tray is extended)
Weight	Approximately 158.7 lb (72 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 75 5/8" x 36 3/4" (1,870 mm x 932 mm) (When the multi-purpose tray and the auxiliary tray are extended (including the Buffer Pass Unit-J1)) Approximately 78 1/4" x 36 3/4" (1,987 mm x 932 mm) (When the External 2/3 Hole Puncher-A1 is attached and the auxiliary tray is extended (including the Buffer Pass Unit-J1))

⁵⁵ Does not include space for service.

Table 63 – Puncher Unit-BF1

Puncher Unit-BF1	
Item	Specification
Paper Sizes	2 Holes: LGL and LTRR 3 Holes: 11"x17", LTR, and EXEC
Paper Weight	14 lb bond to 140 lb index (52 to 256 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Color, Recycled, Tab, Bond, Letterhead, Coated, and Textured
Punch Hole Quantity, Hole Diameter	Two holes: 6.5 mm (1/4") Three holes: 8 mm (3/8")
Distance between Punch Holes	Two holes: 70 mm (2 3/4") Three holes: 108 mm (4 1/4")
Punch Waste Tray Capacity	Approximately 5,000 sheets (20 lb bond (80 g/m ²))
Power Source	From the finisher
Dimensions (HxWxD)	Inside the finisher: Approximately 15 1/2" x 3 3/4" x 28 1/8" (392 mm x 95 mm x 715 mm)
Weight	Approximately 8.2 lb (3.7 kg)

54 Reference Registered Paper Types and Weight for the available paper weights.

Table 64 – External 2/3 Hole Puncher-A1

External 2/3 Hole Puncher-A1	
Item	Specification
Paper Sizes	2 Holes: LGL and LTRR 3 Holes: 11"x17", LTR, and EXEC
Paper Weight	14 lb bond to 140 lb index (52 to 256 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Color, Recycled, Tab, Bond, Letterhead, Coated, and Textured
Punch Hole Quantity, Hole Diameter	Two holes: 6.5 mm (1/4") Three holes: 8 mm (3/8")
Distance between Punch Holes	Two holes: 70 mm (2 3/4") Three holes: 108 mm (4 1/4")
Punch Waste Tray Capacity	Approximately 10,000 sheets (20 lb bond (80 g/m ²))
Power Source	From the main unit
Dimensions (HxWxD)	Approximately 32 1/2" x 4 1/4" x 24 1/4" (825 mm x 107 mm x 615 mm)
Weight	Approximately 17 lb (7.7 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 78 1/4" x 36 3/4" (1,987 mm x 932 mm) (When the Staple Finisher-L1 is attached, and the auxiliary tray is extended (including the Buffer Pass Unit-J1))

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 65 – Professional Puncher-C1/Professional Puncher Integration Unit-B1

Professional Puncher-C1/Professional Puncher Integration Unit-B1	
Item	Specification
Paper Sizes	LTR
Paper Weight	20 lb bond to 80 lb cover (75 to 216 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain 2, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled 1, Recycled 2, Tab, Bond, Letterhead, Coated 1, Coated 2, Coated 3, Coated 4, Textured 1, Textured 2, Textured 3, and Textured 4
Punch Speed	At machine rated speed
Chip Tray Capacity	Maximum 25,000 sheets
Punch Pattern Die Sets (optional)	Plastic Comb (19-hole) Twin Loop (21/32-hole) Color Coil (44-hole) Velo Bind (11-hole) Loose Leaf (3/5-hole) ProClick (32-hole)
Power Requirement	115 V AC, 60 Hz, 2.5 A
Maximum Power Consumption	135 W Maximum
Dimensions (HxWxD)	Approximately 41" x 9 7/8" x 31 1/4" (1,040 mm x 250 mm x 792 mm)
Weight	Approximately 88.2lb (40 kg)
Installation Space Including the Main Unit (WxD) ⁵⁵	Approximately 111 1/8" x 41" (2,821 mm x 1,040 mm) (When the Booklet Finisher (including extension tray) is attached) and to the right edge of the upright control panel(when in the rightmost position).

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 66 – Copy Card Reader-F1

Copy Card Reader-F1	
Item	Specification
Available Cards	Magnetic
Card Readout Method	Magnetic readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (H x W x D)	Approximately 1 5/8" x 3 1/2" x 3 3/4" (40 mm x 88 mm x 96 mm) (excluding the attachment kit and cable)
Weight	Approximately 7.1 oz (200 g) (including the attachment kit and cable)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 67 – Inner Booklet Trimmer-A1

Inner Booklet Trimmer-A1	
Item	Specification
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR, Custom Size (8 1/4" x 11" to 13" x 19 1/4" (210 x 279 mm to 330.2 mm x 487.7 mm))
Paper Weight	16 lb bond to 110 lb cover (60 to 300 g/m ²)
Paper Types ⁵⁴	Thin, Plain 1, Plain, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Color, Recycled, Coated, Letterhead, Textured, and Bond
Maximum Number of Sheets that can be Trimmed	1/8" to 3/4" (2 mm to 20 mm) Up to 40 sheets
Trimmer Booklet Waste Tray Capacity	Up to 1,500 sheets of trimmed strip (width 3/4" (20mm), LTR, 20 lb bond (80g/m ²))
Power Source	From the finisher
Dimensions (HxWxD)	Inside the finisher Approximately 15 7/8" x 9 7/8" x 24 5/8" (403 mm x 251 mm x 625 mm)
Weight	Approximately 70.5 lb (32 kg)

54 Reference Registered Paper Types and Weight for the available paper weights.

55 Does not include space for service.

Table 68 – imagePASS-A2

imagePASS-A2	
Item	Specification
Connectable Devices	imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260
Code Base	System 10e
Operating System	Linux
CPU	Intel Pentium dual core E5300 2.6GHz
Memory	2GB (Standard)
Hard Disk Drive	160 GB
Interfaces (to LAN)	10Base-T/100Base-TX/1000Base-T
Supported PDL	Adobe PostScript 3, PCL6, and PCL5c
Network Protocol	AppleTalk, TCP/IP, IPSec, Certificate Management
Internal Fonts	Roman model: PS Fonts 136 fonts
Print Drivers	Adobe PS 3: <ul style="list-style-type: none"> • Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista/Windows 7) • Macintosh® (OS X 10.3.9 or later) PCL 5c/6:: <ul style="list-style-type: none"> • Windows (Windows 2000/XP/Server 2003/Windows Vista)
Optional Items	<ul style="list-style-type: none"> • SeeQuence Suite <ul style="list-style-type: none"> ○ SeeQuence Impose ○ SeeQuence Compose • Hot Folders and Virtual Printers • X-Rite Eye-One • Productivity Package
Power Source	120 V/15 A
Power Consumption	Approximately 72 W
Dimensions (H x W x D):	Approximately 11.6" x 13.2" x 3.7" (295 mm x 336 mm x 93 mm)
Weight	Approximately 11.9 lb (5.4 kg)

Table 69 – ColorPASS-GX400

ColorPASS-GX400	
Item	Specification
Connectable Devices	imageRUNNER ADVANCE C9280 PRO/C9270 PRO/C7270/C7260
Code Base	System 10
OS	Windows 7 Professional FES (64bit)
CPU	Intel Core i5-660 3.33Ghz up to 3.6GHz w/Turbo
Memory	2GB (Standard)
Hard Disk Drive	500 GB
DVD-ROM	Standard (DVD-RW)
Interfaces (to LAN)	1000/100/10MbE
Supported PDL	Adobe PostScript 3
Network Protocol	AppleTalk, TCP/IP, IPSec, Certificare Management
Internal Fonts	Roman model: PS Fonts 126 Type 1 fonts, 10 True Type fonts, 2 MM type fonts, 4 Euro fonts
Supported Resolution	1,200x1,200dpi, 2,400dpi Equivalentx600dpi
Print Drivers	Windows (Windows 2000/XP/Server 2003/Server 2008/Windows Vista), Macintosh (OS X 10.3.9 or later)
Optional Items	<ul style="list-style-type: none"> • SeeQuence Suite <ul style="list-style-type: none"> ○ SeeQuence Impose ○ SeeQuence Compose • Removable HDD Kit-B1 • Graphic Arts Package, Premium Edition • X-Rite Eye-One • Integrated Interface & Stand-A1 (Mouse, Monitor, keyboard, and stand)
Utility Software	Command WorkStation 5, Web Tools
Power source	120 V/15 A
Power Consumption	Approximately 78 W
Dimensions (HxWxD)	Approximately 19 1/8" x 8 1/2" x 19 1/8" (485 mm x 215 mm x483 mm)
Weight	Approximately 43.5 lb (19.7 kg)

Table 70 – Super G3 FAX Board-AD2

Super G3 Fax Board-AD2	
Item	Specification
Applicable Line	Public Switched Telephone Network ⁶⁰
Scan Line Density	Standard: 8 pels ⁶¹ /mm x 3.85 line/mm Fine: 8 pels/mm x 7.7 line/mm Super-Fine: 8 pels/mm x 15.4 line/mm Ultra-Fine: 16 pels/mm x 15.4 line/mm
Transmission Speed	Super G3: 33.6 kbps, G3: 14.4 kbps
Compression Method	MH, MR, MMR, JBIG
Transmission Type	Super G3, G3
Maximum Original Size	11"x 17" to STMTR
Receiving Paper Size	11"x 17" to STMTR
Transmission Time	JBIG: Approximately 2.6 seconds
Auto Dial Function	Address Book: 1,800 destinations (including destinations stored in one-touch buttons)
Memory Capacity	Approximately 6,000 pages
Additional Options	Super G3 2nd Line Fax Board-AD1, Super G3 3rd/4th Line Fax Board-AE1, Remote Fax Kit-A1

Table 71 – Send Function: Scan Specifications

Send Function: Scan Specifications		
Item	Specifications	
Communication Protocol	FTP (TCP/IP), SMB (TCP/IP), WebDAV	
Data Format	TIFF, JPEG, PDF, XPS, OOXML (PowerPoint / Word)	
Resolution	100 x100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi	
System Environment	Windows 2000 Server (SP4), Windows XP Professional (SP3), Windows Server 2003 R2 (SP2), Windows Vista (SP2), Windows Server 2008 (SP2) , Windows Server 2008 R2 (SP2), Windows 7 Mac OS X, 10.4.x, 10.5.x, 10.6.x, Red Hat Linux 9, Oracle Solaris 10	
Interface	1,000Base-T, 100Base-TX, 10Base-T	
Color Mode	Automatic-Color Select (Full Color/Grayscale), Automatic-Color Select (Full Color/Black-and-White), Full Color, Grayscale, Black-and-White	
Original Type	Text, Text/Photo, Photo	
Other	Preview, Browse Windows (SMB) File Server	
Optional PDF/XPS/OOXML Functions	PDF	Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web ⁶² , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	PowerPoint, Word, OCR

60 Facsimile communications may not perform normally via an IP telephone line. It is recommended to use a general telephone (Public Switched Telephone Network) line for facsimile communications.

61 Pels stands for picture elements (pixels)

62 PDF files optimized for Web viewing.

Table 72 – Send Function: E-Mail and I-Fax Specifications

Send Function: E-Mail and I-Fax Specifications		
Item		Specifications
Communication Protocol		SMTP, POP3
I-Fax Communication Mode		Simple, Full
Resolution	For Sending E-Mail	100 x100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
	For Sending I-Fax (B&W)	200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi ⁶³ , 300 x 300 dpi ⁶³ , 400 x 400 dpi ⁶³ , 600 x 600 dpi ⁶³
Format	E-Mail	TIFF, JPEG, PDF, XPS, OOXML (PowerPoint / Word)
	I-Fax (B&W)	TIFF (MH, MR ⁶³ , MMR ⁶³)
Original Size	E-Mail	11" x 17", LGL, LTR, LTRR, STMT, STMTR
	I-Fax	11" x 17", LGL, LTR, LTRR, STMT ⁶⁴ , STMTR ⁶⁴
Server Software		Microsoft Exchange 2003 and 2007 (SP2), Sendmail 8.14.4, Lotus Domino R7.0
Other		Search for a destination via an LDAP Server, Preview
Optional PDF/XPS/OOXML Functions (E-Mail Only)	PDF	Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web ⁶² , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	PowerPoint, Word, OCR

Table 73 – Connectivity and Software Specifications

Connectivity and Software Specifications		
Item		Specifications
Network Interface		1,000Base-T, 100Base-TX, 10Base-T (RJ-45)
TCP/IP	Frame Type	Ethernet II
	Print Applications	LPD, Raw, IPP, IPPS, FTP, WSD
IPX/SPX	Frame Type	Ethernet II, Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, Auto Detect
	Print Applications	Bindery PServer, NDS PServer, RPrinter, NPrinter
AppleTalk	Frame Type	Ethernet SNAP
	Print Application	PAP (Printer Access Protocol)
Command Languages		PCL5e, PCL6, PostScript 3
Resident Fonts	PCL	93 Scalable fonts, 2 OCR fonts, and 10 Bitmap fonts, Andale fonts ⁶⁵ (Japanese, Korean, Simplified Chinese, Traditional Chinese)
	PS	136 Scalable fonts
Printable Area	PCL5c, PCL6	Reduced to 1/6" (4.23 mm) from the top, bottom, left, and right edges of the paper.
	PostScript 3	Reduced to 1/6" (4 mm) from the top, bottom, left, and right edges of the paper.

63 Available after setting the RX conditions for the destination.

64 Sent as LTR.

65 The optional PCL International Font Set must be activated to use the Andale and WorldType Collection fonts, or the Andale Mono WT font.

C. Warranty

1. imageRUNNER ADVANCE C9280 PRO/C9270 PRO Series Limited Warranty

CANON imageRUNNER ADVANCE C9280 PRO/C9270 PRO SERIES LIMITED WARRANTY

Canon U.S.A., Inc. or Canon Canada Inc. (as applicable, "Canon") warrants the imageRUNNER ADVANCE C9280 PRO/C9270 PRO Series product and Canon brand options designed for use with the imageRUNNER product (collectively the "Product") to be free from defects in workmanship and materials under normal use and service for a period of 90 days after delivery to the original purchaser ("Purchaser") or 180,000 prints or copies (or a combination of both), whichever comes first. During such warranty period, Canon shall replace, without charge, any defective part with a new or comparable rebuilt part. This warranty shall not extend to consumables such as paper, chemicals, and toner as to which there shall be no warranty or replacement. Warranty replacement shall not extend the original warranty period of the Product.

This limited warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment and software. Canon shall have no responsibility for such items except for compatible Canon brand peripheral equipment covered by a separate warranty ("Separate Warranty"). Repairs of such Canon brand peripheral equipment shall be governed by the terms of the Separate Warranty. Non-Canon brand equipment that may be distributed with the Product is sold "AS IS" and without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the supplier or producer thereof. For further information on software, see below.

This warranty shall be void and of no force and effect if the Product is damaged as a result of (a) abuse, neglect, mishandling, alteration, electric current fluctuation or accident, (b) improper use, including failure to follow operating or maintenance instructions or environmental conditions prescribed in Canon's operator's manual or other documentation, (c) installation or repair by other than authorized service representatives qualified by Canon who are acting in accordance with Canon's service bulletins, (d) use of supplies or parts (other than those distributed by Canon) which damage the Product or cause abnormally frequent service calls or service problems, or (e) use of the Product with non-compatible computers, peripheral equipment or software, including the use of the Product in any system configuration not recommended in any manual distributed with the Product. Nor does this warranty extend to any Product on which the original identification marks or serial numbers have been defaced, removed, or altered.

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CONDITIONS OF WARRANTY

Defective parts must be returned to Canon or an Authorized Service Provider with all necessary documentation and will become the property of Canon.

THIS WARRANTY APPLIES TO PRODUCTS SOLD AND USED IN THE U.S.A. AND CANADA ONLY.

2. imageRUNNER ADVANCE C7270/C7260 Series Limited Warranty

CANON imageRUNNER ADVANCE C7270/C7260 SERIES LIMITED WARRANTY

Canon U.S.A., Inc. or Canon Canada Inc. (as applicable, "Canon") warrants the imageRUNNER ADVANCE C7270/C7260 Series product and Canon brand options designed for use with the imageRUNNER product (collectively the "Product") to be free from defects in workmanship and materials under normal use and service for a period of 90 days after delivery to the original purchaser ("Purchaser") or 90,000 prints or copies (or a combination of both), whichever comes first. During such warranty period, Canon shall replace, without charge, any defective part with a new or comparable rebuilt part. This warranty shall not extend to consumables such as paper, chemicals, and toner as to which there shall be no warranty or replacement. Warranty replacement shall not extend the original warranty period of the Product.

This limited warranty shall only apply if the Product is used in conjunction with compatible computers, peripheral equipment and software. Canon shall have no responsibility for such items except for compatible Canon brand peripheral equipment covered by a separate warranty ("Separate Warranty"). Repairs of such Canon brand peripheral equipment shall be governed by the terms of the Separate Warranty. Non-Canon brand equipment that may be distributed with the Product is sold "AS IS" and without warranty of any kind by Canon, including any implied warranty regarding merchantability or fitness for a particular purpose, and all such warranties are disclaimed. The sole warranty, if any, with respect to such non-Canon brand items is given by the supplier or producer thereof. For further information on software, see below.

This warranty shall be void and of no force and effect if the Product is damaged as a result of (a) abuse, neglect, mishandling, alteration, electric current fluctuation or accident, (b) improper use, including failure to follow operating or maintenance instructions or environmental conditions prescribed in Canon's operator's manual or other documentation, (c) installation or repair by other than authorized service representatives qualified by Canon who are acting in accordance with Canon's service bulletins, (d) use of supplies or parts (other than those distributed by Canon) which damage the Product or cause abnormally frequent service calls or service problems, or (e) use of the Product with non-compatible computers, peripheral equipment or software, including the use of the Product in any system configuration not recommended in any manual distributed with the Product. Nor does this warranty extend to any Product on which the original identification marks or serial numbers have been defaced, removed, or altered.

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CONDITIONS OF WARRANTY

Defective parts must be returned to Canon or an Authorized Service Provider with all necessary documentation and will become the property of Canon.

THIS WARRANTY APPLIES TO PRODUCTS SOLD AND USED IN THE U.S.A. AND CANADA ONLY.

3. GPR-32/33 Drum Unit Limited Warranty

CANON GPR-32/33 DRUM UNIT LIMITED WARRANTY

Canon U.S.A., Inc. and Canon Canada, Inc. (collectively "Canon") warrant the Drum Unit incorporated into the imageRUNNER ADVANCE Series product (the "Product") packaged with this Limited Warranty (the "Drum Unit") to be free from defects in workmanship and materials under normal use and service, other than exterior defects, such as nicks, scratches, or dents, for a period of 30 days after delivery to the original purchaser of the Drum Unit or use of it to make 1,000 prints or copies (or a combination of both), whichever comes first. If the Drum Unit proves to be defective within this warranty period, Canon shall, at its sole option, replace it without charge.

For purchases of the Black Drum Unit, following the expiration of the 30 day warranty period, and continuing for a period of 120 days after delivery to the original purchaser of the Black Drum Unit or use of it to make 350,000 prints or copies (or a combination of both), and for purchases of the Color Drum Unit, following the expiration of the 30 day warranty period, and continuing for a period of 120 days after delivery to the original purchaser of the Color Drum Unit or use of it to make 140,000 prints or copies (or a combination of both), whichever comes first, Canon shall provide a credit ("Credit") to the original purchaser toward a respective replacement Drum Unit if the Drum Unit fails to operate under normal use and service by reason of any defect in workmanship and materials, other than exterior defects, such as nicks, scratches or dents. The Credit shall be a percentage of Canon's then current dealer price for the replacement Drum Unit determined as set forth in the example below.

Warranty replacement shall not extend the original warranty period of the Drum Unit.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES AND CONDITIONS REGARDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, RELATING TO THE USE OR PERFORMANCE OF THE DRUM UNIT. NO OTHER EXPRESS WARRANTY, CONDITION OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THE DRUM UNIT SHALL BIND CANON OR ANY AUTHORIZED SERVICE PROVIDER. NO WARRANTY IS GIVEN ON ANY USED DRUM UNIT.

This warranty shall be void and of no force and effect if the Drum Unit is damaged as a result of (a) abuse, neglect, mishandling, or alteration of the Drum Unit, a Product Accessory or a Product in which the Drum Unit is incorporated, electric current fluctuation, exposure to light, or accident, (b) improper use, including failure to follow operating or maintenance instructions in, or environmental conditions prescribed in, Canon's operator's manual or other documentation, (c) installation or repair by other than service representatives qualified by Canon who are acting in accordance with Canon's service bulletins, or (d) use of supplies or parts (other than those distributed by Canon) which damage the Drum Unit or cause abnormally frequent service calls or service problems. Nor does this warranty extend to any Drum Unit on which the original identification marks or serial numbers have been defaced, removed, or altered.

NEITHER CANON NOR ANY AUTHORIZED SERVICE PROVIDER SHALL BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY AUTHORIZED SERVICE PROVIDER), LOSS OF REVENUE OR PROFIT, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, EXPENDITURES FOR SUBSTITUTE EQUIPMENT OR SERVICES, LOSS OR CORRUPTION OF DATA, STORAGE CHARGES OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE DRUM UNIT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ANY AUTHORIZED SERVICE PROVIDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ANY AUTHORIZED SERVICE PROVIDER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE DRUM UNIT CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, THE PURCHASER ASSUMES ALL RISKS AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PERSONS AND PROPERTY OF THE PURCHASER OR OTHERS ARISING OUT OF THE POSSESSION, USE, MISUSE, OR INABILITY TO USE ANY DRUM UNIT NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY AUTHORIZED SERVICE PROVIDER. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE DRUM UNIT AND STATES SUCH PURCHASER'S EXCLUSIVE REMEDY.

CONDITIONS OF WARRANTY

The defective Drum Unit must be returned to Canon, freight prepaid, in the original packaging with all necessary documentation (machine log, a sample copy, warranty claim tag or other documents as required from time to time) to receive the Credit or replacement Drum Unit.

Credits will be based on the then current dealer price for the replacement Drum Unit, and will be pro-rated based on the copies made as indicated by the service report submitted by the Canon Authorized Service Representative.

EXAMPLE OF CREDIT

Drum Unit inoperative after 35,000 prints or copies (or a combination of both) in less than 120 days of use.

Calculation of the Credit may be illustrated by the following example:

Black Drum Calculation: $\frac{350,000 - 35,000}{350,000} = \frac{315,000}{350,000} = 90\%$ of the dealer price of the replacement Drum

Color Drum Calculation: $\frac{140,000 - 35,000}{140,000} = \frac{105,000}{140,000} = 75\%$ of the dealer price of the replacement Drum

THIS WARRANTY APPLIES TO DRUMS SOLD AND USED IN THE U.S.A. AND CANADA ONLY.



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