

Canon



imageRUNNER
ADVANCE

8205 / 8295 / 8285



Service Guide

Published by
Canon U.S.A., Inc.
 One Canon Park
 Melville, NY 11747
 1-800-OK-CANON
 E-Mail: serviceplanning@cusa.canon.com

Canon U.S.A. Homepage: <http://www.usa.canon.com>
 Canon U.S.A. Internet e-Support Center Web site: <http://www.support.cusa.canon.com>
 Canon U.S.A. ISG Central Web site: <http://isgcentral.cusa.canon.com>
 Canon Network Access (CNA) Web site: <http://www.cna.cusa.canon.com>

Distributed in the United States by Canon U.S.A., Inc.

IMPORTANT

THIS SERVICE GUIDE INCLUDES THE INFORMATION RELATING TO THE imageRUNNER ADVANCE 8205/8295/8285.

SPECIFICATIONS AND OTHER INFORMATION CONTAINED HEREIN MAY VARY SLIGHTLY FROM ACTUAL DEVICE VALUES OR THOSE FOUND IN ADVERTISING AND OTHER PRINTED MATTER. USE OF THIS SERVICE GUIDE SHOULD BE STRICTLY SUPERVISED TO AVOID DISCLOSURE OF CONFIDENTIAL INFORMATION.

**ALL PRICES LISTED ARE SUBJECT TO CHANGE WITHOUT NOTICE.
 PART NUMBERS LISTED MAY BE CHANGED WITHOUT NOTICE TO REFLECT ENGINEERING REVISIONS.**

REVISION HISTORY

Revision	Date	Sections	Details
—	November 2012	All	Release of the imageRUNNER ADVANCE 8200 Series Service Guide.
1	May 2013	Table 4 Footnote	Changed the Puncher Unit-BF1 footnote to say that it requires the optional Staple Finisher-N1 or Booklet Finisher-N1.
2	August 2013	I (D), II (E), IX (A, C), XIII (A)	Added the optional Staple Finisher-Q1 PRO specifications, description, power requirements, and estimated installation time.

COPYRIGHTS AND TRADEMARKS

This Service Guide is the property of Canon U.S.A., Inc.
© Canon U.S.A., Inc. 2013. All rights reserved.

Canon, imageRUNNER, and Always Ask for Canon Genuine Toner, Parts & Supplies are registered trademarks of Canon Inc. imageWARE is a registered trademark of Canon U.S.A., Inc.

All other company names and product names may be trademarks or registered trademarks of their respective owners, and are hereby acknowledged.

LEGAL NOTICES

The information contained in this Service Guide constitutes confidential information of Canon U.S.A., Inc.

Pursuant to the authorized Service Agreement with Canon U.S.A., Inc., this Service Guide is solely for reference purposes and may be used only by an authorized Service Provider of Canon U.S.A., Inc. No part of this Service Guide may be reproduced or transmitted in any form by any means, electronic or mechanical, for any purpose without the prior written consent of Canon U.S.A., Inc., except as expressly permitted herein.

Pursuant to the authorized Service Agreement with Canon U.S.A., Inc., the Service Provider agrees to indemnify Canon U.S.A., Inc. and to hold it harmless from and against any and all claims arising out of Service Provider's possession, use, or misuse of this Service Guide.

As an authorized Canon dealership for the imageRUNNER ADVANCE 8200 Series, you agree that the imageRUNNER ADVANCE 8200 Series and its related hardware/software accessories will not be exported from the United States except in strict accordance with the Export Administration Regulations of the U.S. Department of Commerce and other U.S. laws and regulations controlling exports from the United States.

Canon U.S.A., Inc. from time to time updates this online Service Guide and may modify the information and/or specifications contained in it at any time without notice. Additionally, all prices and availability dates listed herein are subject to change without notice. The latest version is available online at the ISG Central and e-Support Web sites noted above. Please make certain that you are using the latest version. Specimens of Web pages included herein are for illustration purposes only.

DISCLAIMER

NEITHER CANON NOR ITS SUPPLIERS 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, INCLUDING, WITHOUT LIMITATION, DATA STORED ON THE PRODUCT'S HARD DISK DRIVE, STORAGE CHARGES OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, THE PURCHASER ASSUMES ALL RISKS AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PERSONS AND THE PROPERTY OF THE PURCHASER OR OTHERS ARISING OUT OF THE POSSESSION, USE, MISUSE, OR INABILITY TO USE THE PRODUCT NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY AUTHORIZED SERVICE PROVIDER.

Contents

I.	Product Overview and Configuration	1
A.	Overview	1
B.	New Features	2
C.	Main Unit Box Contents	5
D.	Configuration	6
II.	Hardware Accessory Options	13
A.	Paper Deck Unit-C1	13
B.	POD Deck Lite-A1	13
C.	Staple Finisher-N1	13
D.	Booklet Finisher-N1	14
E.	Staple Finisher-Q1 PRO	14
F.	Booklet Finisher-Q1 PRO	15
G.	Booklet Trimmer-D1	15
H.	Inner Booklet Trimmer-A1	15
I.	Puncher Unit-BF1	16
J.	Puncher Unit-BS1	16
K.	Professional Puncher-C1 and Professional Puncher Integration Unit-B1	16
L.	Document Insertion Unit-K1	16
M.	Paper Folding Unit-H1	17
N.	Card Reader-F1	17
O.	Duplex Color Image Reader Unit-G1	17
P.	Printer Cover-B1	17
Q.	Upright Control Panel-B1	18
R.	Tab Feeding Attachment Kit-B1	18

III.	System Options-----	19
	A. Copy and Print Options-----	19
	1. PCL Printer Kit-AU1 -----	19
	2. PS Printer Kit-AU1 -----	19
	3. PCL International Font Set-A1 -----	19
	4. Barcode Printing Kit-D1 -----	19
	5. Direct Print Kit (for PDF/XPS)-H1 -----	19
	6. imagePASS-U2-----	20
	7. Secure Watermark-B1-----	20
	B. Universal Send and Fax Options -----	21
	1. Universal Send Advanced Feature Set-F1-----	21
	2. Universal Send Security Feature Set-D1-----	21
	3. Universal Send Digital User Signature Kit-C1-----	21
	4. Super G3 FAX Board-AL1 -----	21
	5. Super G3 2 nd Line Fax Board-AL1 -----	21
	6. Super G3 3 rd /4 th Line Fax Board-AL1 -----	21
	7. Remote Fax Kit-A1 -----	22
	C. Connectivity Options-----	23
	1. Web Access Software-H1 -----	23
	2. Remote Operator's Software Kit-B1 -----	23
	3. USB Device Port-A2-----	23
	4. Multimedia Reader/Writer-A2 -----	23
	D. Data Security and Wireless Options-----	24
	1. Encrypted Secure Print Software-D1-----	24
	2. iR-ADV Security Kit-G1 for IEEE 2600.1 Common Criteria Certification Set -----	24
	3. Silex Wireless Bridge SX-2500CG -----	24
	4. HDD Data Encryption & Mirroring Kit-C5-----	25
	5. Removable Hard Disk Kit-AG1 -----	25
	6. Document Scan Lock Kit-B1 -----	25
	7. 2.5 inch/160 GB HDD-J1-----	26
	8. 2.5 inch/1 TB HDD-K1 -----	26
	E. Memory Options -----	26
	1. Additional Memory Type D (512 MB)-----	26
	2. 2.5 inch/1 TB HDD-K1 -----	26
	F. Accessibility Options-----	27
	1. Voice Guidance Kit-F2-----	27
	2. Voice Operation Kit-C2 -----	27
	3. ADF Access Handle-A1 -----	27
IV.	Document Storage Capabilities -----	28
	A. Mail Box -----	28
	B. Advanced Box -----	29
	1. Shared Folders -----	29
	2. Personal Folders -----	29
	C. Network-----	30
	D. Memory Media -----	30

V.	Security Features	31
	A. Device Authentication	31
	1. Department ID Management	31
	2. SSO-H	32
	B. Data Security	33
	1. Initialize All Data/Settings Function	33
	2. HDD Data Erase Kit	34
	3. Document Scan Lock Kit	34
	4. TPM (Trusted Platform Module)	35
	5. HDD Data Encryption & Mirroring Kit	36
	6. Removable Hard Disk Kit	36
	C. Document Security	37
	1. PDF Visible Digital Signature	37
	2. Adobe LiveCycle Rights Management ES Server Integration	37
	D. Network Security	38
	1. IPsec	38
	2. Filtering by Port Number	38
	3. Wireless Security and Authentication	38
	4. Network Port and Application Access Control	38
VI.	Software Solutions	39
	A. Document Management and Binding Software	39
	1. imageRUNNER ADVANCE Desktop	39
	2. imageRUNNER ADVANCE Quick Printing Tool	39
	3. imageWARE Document Server	39
	4. imageWARE Scan Manager DS	40
	5. eCopy PDF Pro Office	40
	B. Scan Management Software	41
	1. Workflow Composer and Connectors	41
	2. Authorized Send	41
	3. uniFLOW (Scanning)	41
	4. Cloud Portal for imageRUNNER ADVANCE	41
	5. eCopy ShareScan	42
	C. Print/Output Management Software	42
	1. Direct Print & Scan for Mobile	42
	2. uniFLOW	42
	3. AA-PRINT (Advanced Anywhere-Print)	42
	4. EFI PrintMe	43
	D. Device Security and Management Software	43
	1. AA-PROX (Advanced Authentication – Proximity Card)	43
	2. imageRUNNER ADVANCE Tracker	43
	3. imageWARE Enterprise Management Console and Plug-ins	43
	4. uniFLOW Device Security & Management	44
	5. uniFLOW Serverless Secure Print	44
	6. imageWARE Secure Audit Manager Express	44
	7. MEAP Web	44
	E. Business Workflow Software	45
	1. Forms and Print Services for Salesforce	45
	2. Enterprise Imaging Platform	45
VII.	Dealer Sales/Service Authorization	46

VIII. Educational Training	46
A. Training Program Overview	46
1. Learning Path for Non-Certified Technicians	47
2. Learning Path for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians	48
B. Prerequisites	48
C. Certification	48
D. Who Should Attend	49
E. Training Facilities	49
1. Online Course Training Facilities	49
2. Classroom Training Facilities	49
F. Course Equipment	49
G. Service Materials	50
IX. Servicing Notes	51
A. Power and Plug Requirements	51
B. Installation Space Requirements	53
C. Estimated Installation Times	55
D. Remote Support Services	56
1. imageWARE Remote	56
2. Content Delivery System	56
E. Serviceability	59
1. System Configuration Manager	60
2. iWEMC Device Firmware Update	60
F. LMS (License Management System)	61
G. Content Delivery System Web Site	62
H. Recommended System Engineer Requirements	63
I. Firmware Upgrades Using the Service Support Tool	64
J. Computer Requirements for Downloading Firmware	65
K. Hard Disk Drive Handling	65
L. Special Tools, Solvents and Oils	66
M. Consumables	68
N. Consumable Parts	69
O. Periodically Replaced Parts	74
P. Periodic Maintenance	76
Q. Soft Counter	78
R. MEAP Counter	79
X. Suggested End-User Customer Service Offerings	80
A. Monthly Copy/Print Volume	80
B. Limited Warranty Support	80
1. End-User Limited Warranty Conditions	80
2. GPR-37/38 Drum Unit Limited Warranty	80
3. Flat-Rate Program	81
4. Warranty Parts for Repair	83
5. e-Tag	86
6. Online Limited Warranty Credit Inquiry	88
XI. Product Technical Support Offerings	92
A. Dealer Support Requirements	92
B. Canon USA Support Offerings	93
1. Canon USA Technical Support Center	93
2. NAVI	95
3. Internet Support	99

XII.	Appendix-----	102
	A. Specifications-----	102
	B. Warranty-----	124
	1. Main Unit Limited Warranty-----	124
	2. GPR-37/38 Drum Unit Limited Warranty-----	125
	C. List of Tables-----	126
	D. List of Figures -----	127

I. Product Overview and Configuration

A. Overview

The Canon imageRUNNER ADVANCE 8200 Series consists of the imageRUNNER ADVANCE 8205/8295/8285. These models bring the following capabilities to users in a high-volume office environment and corporate CRD (Central Reprographic Departments):

- Speeds of up to 105 ppm (pages per minute) (LTR, Black-and-White).
- Single pass duplexing document feeder with two-sided black-and-white scanning speeds of up to 200 ipm (images per minute), two-sided color scanning speeds of up to 100 ipm, and 300-sheet capacity.
- Large 10.4" high-resolution TFT screen (800 x 600 pixels), tilt-and-swivel control panel (imageRUNNER 8205 and 8295 only). The imageRUNNER 8285 has an 8.4" SVGA TFT screen (800 x 600 pixels).
- 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.
- A maximum paper size of 13" x 19 1/4" is supported. Multiple paper sources, complemented by air-assisted feeding, can hold up to 7,700 sheets of paper for exceptional reliability.
- True 1,200 dpi printing at the engine's rated speed.
- Standard USB memory support. The USB port has been moved on the imageRUNNER 8200 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.
- pO (Precise Output) Toner Technology – Helps to reproduce images more accurately, and improves the evenness of solid black and halftones.
- All imageRUNNER ADVANCE 8200 Series machines are EPEAT (Electronic Product Environmental Assessment Tool) qualified.
- 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 8200 Series machines offer the following new system, performance, and environmental features:

- Enhanced user authentication capabilities.
- OOXML Scan to PowerPoint support with enhanced authentication for Send and HDD batch deletion.
- Quick startup and high-speed RIP (new controller).
- Energy Saver LED 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.

Table 1 – imageRUNNER ADVANCE 8200 Series Comparison

Feature		imageRUNNER ADVANCE		
		8205	8295	8285
Print Speed (ppm) (LTR)		Up to 105	Up to 95	Up to 85
Optimum Copy Volume (copies/prints)		Approximately 100,000 to 300,000	Approximately 80,000 to 250,000	Approximately 50,000 to 200,000
Scan Speed (LTR, 300 dpi, B&W/Color) ¹	Simplex	Approximately 120 ipm (images per minute)/85 ipm		
	Duplex	Approximately 200 ipm/100 ipm		
Scan Speed (LTR, 600 dpi, B&W/Color) ^{1, 2}	Simplex	Approximately 120 ipm/51 ipm		
	Duplex	Approximately 120 ipm/51 ipm		
Single Pass Duplex Document Feeder		Standard		
DADF Capacity		Up to 300 sheets (20 lb bond (80 g/m ²))		
Resolution	Reading	Up to 600 x 600 dpi		
	Writing	Up to 1,200 x 1,200 dpi		
Maximum Paper Size		13" x 19 1/4"		
Maximum Paper Weight		14 lb index (256 g/m ²)		
Paper Capacity	Standard	Up to 4,200 sheets (20 lb bond (80 g/m ²))		
	Maximum	Up to 7,700 sheets (20 lb bond (80 g/m ²))		
Multiple Copies		1 to 9,999 sheets		
Printer Memory	Standard	1.5 GB		
	Maximum	2 GB		
Hard Disk Drive	Standard	160 GB		
	Maximum	1 TB		
Warm Up Time (at a room temp. of 68°F (20°C)) ³	From Power ON	Approximately 1 minute		
	From Sleep Mode	Approximately 1 minute		
	From Quick Startup Mode ⁴	Approximately 7 seconds		
FCOT (First Copy Output Time)		Approximately 2.7 seconds		
Maximum Power Consumption	Maximum	Approximately 1.92 kW		
	In the Sleep Mode	Approximately 0.9 W		
	In the Energy Saver Mode	Approximately 240 W (When '-10%' is selected.)		
	In the Quick Startup Settings for Main Power Mode	Approximately 0.45 W		
Power Requirements		120 V/20 A		
Plug Type		NEMA 5-20P		
Toner Yield (at 6% Coverage (LTR))		Approximately 70,000 pages		
Drum Yield (LTR)		Approximately 6,000,000 pages		

1 The scanning speed may vary, depending on the scanning mode and original type.

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

3 Activation time may vary, depending on the environment and conditions under which the machine is used.

4 If the optional 2.5 inch/1TB HDD is attached to the machine and the Quick Startup mode is set to 'On', the warm-up time may be longer.

Table 1 – imageRUNNER ADVANCE 8200 Series Comparison Continued

Feature		imageRUNNER ADVANCE		
		8205	8295	8285
Copy		Standard		
Store	Mail Box	Standard		
	Advanced Box	Standard		
	USB Media Support	Standard (Scan) ⁵		
Print	UFR II	Standard		
	PCL	Optional with the PCL Printer Kit-AU1		
	Direct Print	Standard (JPEG, TIFF)		
		Optional (PDF/XPS) with the Direct Print Kit (for PDF/XPS)-H1		
	Adobe PS (PostScript)	Optional with the PS Printer Kit-AU1		
Send	imagePASS (External)	Optional w/the imagePASS-U2		
	Universal Send	Standard		
	PDF High Compression	Standard		
	PDF Advanced Feature Set	Optional ⁶		
	PDF Security Feature Set	Optional ⁷		
	PDF Digital User Signature	Optional		
Fax	Single Line	Optional w/Super G3 FAX Board-AL1		
	2 nd Line	Optional w/Super G3 2 nd Line Fax Board-AL1		
	3 rd /4 th Line	Optional w/Super G3 3 rd /4 th Line Fax Board-AL1		
	Remote Fax	Optional w/Remote Fax Kit-A1		
Network		Standard Ethernet 10Base-T/100Base-TX/1000Base-T		
		Optional Wireless LAN w/Silex Wireless Bridge		
Remote UI		Standard		
MEAP Capability		Standard		
AMS (Access Management System)		Standard (Pre-Installed)		
Upright Control Panel		Standard		Optional w/Upright Control Panel-B1

⁵ The optional Multimedia Reader/Writer adds support for SD Card, Compact Flash, Memory Stick, and Micro Drive.

⁶ Includes Searchable PDF/XPS, Trace & Smooth PDF, and PDF with Adobe Reader Extensions format support.

⁷ Includes Digital Device Signature (PDF/XPS) and Encrypted PDF modes.

C. Main Unit Box Contents

Note: The box contents shown below are for *reference purposes only*, and are subject to change without notice.

Table 2 – imageRUNNER ADVANCE 8200 Series Box Contents

Contents	imageRUNNER ADVANCE		
	8205	8295	8285
Main Unit	✓	✓	✓
Drum Unit Warranty	✓	✓	✓
Before Using This Machine Manual	✓	✓	✓
Setup Guide	✓	✓	✓
Basic Operation Guide	✓	✓	✓
e-Manual	✓	✓	✓
UFR II User Software	✓	✓	✓
imageWARE Enterprise Management Console CD	✓	✓	✓
Instruction Sheet	✓	✓	✓
AMS Kit Software/Manual CD	✓	✓	✓
Features of AMS	✓	✓	✓
Notification of Correction (Thin Paper User Mode)	✓	✓	✓

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 Web site for the most up-to-date item numbers.

Table 3 – Configuration

Item	Part Number ⁸
imageRUNNER ADVANCE 8205 with the optional Paper Deck Unit-C1 and Staple Finisher-N1 	
imageRUNNER ADVANCE 8205 Base Model (Includes the Upright Control Panel) ^{9, 10}	5802B007AA
imageRUNNER ADVANCE 8295 Base Model (Includes the Upright Control Panel) ^{9, 10}	5803B007AA
imageRUNNER ADVANCE 8285 Base Model ^{9, 10}	5804B006AA
imageRUNNER ADVANCE 8205 Printer Model (Includes the Upright Control Panel) ^{10, 11}	5802B008AA
imageRUNNER ADVANCE 8295 Printer Model (Includes the Upright Control Panel) ^{10, 11}	5803B008AA
imageRUNNER ADVANCE 8285 Printer Model ^{10, 11}	5804B007AA

⁸ Part numbers are subject to change without notice.

⁹ Ships standard with the Tab Feeding Attachment Kit for paper cassettes 3 and 4, HDD Erase Kit, IPsec, Single-Pass Duplexing Automatic Document Feeder, and Color Image Reader Unit. The Single-Pass Duplexing Automatic Document Feeder and Color Image Reader Unit ship separately.

¹⁰ Requires the optional Staple Finisher-N1 or Booklet Finisher-N1.

¹¹ Ships standard with the HDD Erase Kit, IPsec, and Printer Cover-B1. The Printer Cover-B1 ships separately.

Table 4 – Hardware Accessories

Item	Part Number ⁸
Paper Deck Unit-C1 ¹²	3880B002BA
POD Deck Lite-A1 ¹²	3692B002AB
Tab Feeding Attachment Kit-B1 ¹³	6793A004AA
Upright Control Panel Set-F1 (For the imageRUNNER ADVANCE 8285 Only) ¹⁴	5796B014AA
Staple Finisher-N1 ¹⁵	5951B002AA
Booklet Finisher-N1 ¹⁵	5952B002AA
Staple Finisher-Q1 PRO ¹⁵	5953B002AA
Booklet Finisher-Q1 PRO ¹⁵	5954B002AA
Puncher Unit-BF1 ¹⁰	2895B002AA
Puncher Unit-BS1 ¹⁶	5738B002AA
Professional Puncher-C1 (Including the Integration Unit-B1)	3842B006AA
Plastic Comb 19-Hole Punch LTR-A1 ¹⁷	3028B001AA
Twin Loop 21-Hole Punch LTR-A1 ¹⁷	3028B002AA
Twin Loop 32-Hole Punch LTR-A1 ¹⁷	3028B003AA
Color Coil 44-Hole Punch LTR-A1 ¹⁷	3028B004AA
Velo Bind 11-Hole Punch LTR-A1 ¹⁷	3028B005AA
Loose Leaf 3-Hole Punch LTR-A1 ¹⁷	3028B006AA
Loose Leaf 5-Hole Punch LTR-A1 ¹⁷	3028B022AA
Pro Click 32-Hole Punch LTR-A1 ¹⁷	3028B021AA
High Durability Plastic Comb 19-Hole Punch LTR-A1 ¹⁷	3028B033AA
High Durability Color Coil 44-Hole Punch LTR-A1 ¹⁷	3028B034AA
High Durability Loose Leaf 3-Hole Punch LTR-A1 ¹⁷	3028B035AA

⁸ Part numbers are subject to change without notice.

¹⁰ Requires the optional Staple Finisher-N1 or Booklet Finisher-N1.

¹² The Paper Deck Unit-C1 and POD Deck Lite-A1 cannot be installed at the same time.

¹³ An additional tab feeding attachment for paper cassettes 3 and 4.

¹⁴ Contains the Upright Control Panel-B1 and Control Panel Sheet-F1.

¹⁵ The Staple Finisher-N1, Booklet Finisher-N1, Staple Finisher-Q1 PRO, and Booklet Finisher-Q1 PRO cannot be installed at the same time.

¹⁶ Requires the Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO.

¹⁷ The optional Punch Die Set for the Professional Puncher-C1. Only one die can be installed at a time. Please check the appropriate product reference materials for information regarding the life expectancy of the die.

Table 4 – Hardware Accessories Continued

Item	Part Number ⁸
Document Insertion Unit-K1 ¹⁸	3881B010AA
Paper Folding Unit-H1 ¹⁸	3882B002AA
Inner Booklet Trimmer-A1 ¹⁹	2988B001AA
Booklet Trimmer-D1 ¹⁶	2898B001AC
Utility Tray-A2	3723B002AA
USB Keyboard (Cherry) ²⁰	1266V426
Universal Keyboard Stand-A1	2212V477
Card Reader Assembly for Universal Keyboard Stand ²¹	2212V478
Copy Card Reader-F1 ²²	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
Copy Control Interface Kit-A1 ²³	3726B001AA
Convenience Stapler-B1	1727V838

⁸ Part numbers are subject to change without notice.

¹⁸ Requires the Staple Finisher-N1, Booklet Finisher-N1, Staple Finisher-Q1 PRO, or Booklet Finisher-Q1 PRO.

¹⁹ Requires the Booklet Finisher-N1.

²⁰ If the imageRUNNER ADVANCE 8285 machine is not equipped with the Upright Control Panel and the customer wants to purchase the USB Keyboard, it is recommended to install the Universal Keyboard Stand-A1 or Utility Tray-A2.

²¹ Attaches to the Universal Keyboard Stand-A1 for card reader authentication.

²² Requires the Copy Card Reader Attachment Kit-A2.

²³ Cannot be installed if the Card Reader-F1 is installed.

Table 5 – System Accessories

Item	Box Part Number ⁸	eLAN Number ²⁴
Super G3 FAX Board-AL1	5992B002AA	-
Super G3 2 nd Line Fax Board-AL1 ²⁵	5993B002AA	-
Super G3 3 rd /4 th Line Fax Board-AL1 ²⁶	5994B002AA	-
Remote Fax Kit-A1 ²⁷	-	3679B005AA
PCL Printer Kit-AU1 ²⁸	-	6001B005AA
PCL International Font Set-A1 ²⁹	-	4821B003AA
PS Printer Kit-AU1 ²⁸	-	6002B006AA
Direct Print Kit (for PDF/XPS)-H1	-	3674B004AA
Encrypted Secure Print Software-D1	-	1337B011AA
Secure Watermark-B1	-	1082B010AA
Barcode Printing Kit-D1 ²⁹	-	3999B004AA
imagePASS-U2 ³⁰	6458B001AA	-
SeeSequence Compose	2351B003AA	-
SeeSequence Impose	6596A035AA	-
SeeSequence Suite ³¹	6596A037AA	-
Integrated Interface & Stand-B1 ³²	1694V354	-
Image Viewer	7752A027AA	-
Removable Hard Disk Drive Kit-B4 ³³	0134B006AA	-
Universal Send Advanced Feature Set-F1	-	3405B016AA
Universal Send Security Feature Set-D1	-	3406B006AA
Universal Send Digital User Signature Kit-C1	-	1326B013AA
2.5 inch/160 GB HDD-J1 ³⁴	5995B001AA	-
2.5 inch/1 TB HDD-K1	5996B001AA	-
Remote Operators Software Kit-B1	-	4001B004AA
Voice Guidance Kit-F2 ³⁵	3681B003AA	-
Voice Operation Kit-C2 ³⁵	3682B004AB	-

⁸ Part numbers are subject to change without notice.

²⁴ The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

²⁵ Requires the optional Super G3 FAX Board-AL1.

²⁶ Requires the Super G3 FAX Board-AL1 and Super G3 2nd Line Fax Board-AL1.

²⁷ Cannot be installed with the Super G3 FAX Board-AL1.

²⁸ Cannot be installed with the imagePASS controller.

²⁹ Requires the PCL Printer Kit-AU1.

³⁰ Cannot be installed with the PCL Printer Kit-AU1 or PS Printer Kit-AU1. Ships standard with Hot Folder Version 3, Secure Erase Version 1.1, Paper Catalog Kit, and VDP Kit-A1.

³¹ Includes one license each for SeeSequence Compose and SeeSequence Impose.

³² Includes a 19" LCD monitor, keyboard, and mouse.

³³ For the optional imagePASS-U1 only.

³⁴ For mirroring functionality only. Not used to increase storage.

³⁵ The Voice Guidance Kit-F2 and Voice Operation Kit-C2 cannot be installed together.

Table 5 – System Accessories Continued

Item	Box Part Number ⁸	eLAN Number ²⁴
HDD Data Encryption & Mirroring Kit-C5 ³⁶	5998B002AA	-
Web Access Software-H1 ³⁷	-	2738B007AA
USB Device Port-A2	3738B002AA	-
Multimedia Reader/Writer-A2 ³⁸	3721B002AA	-
Silex Wireless Bridge SX-2500CG ³⁹	8034B002AA	-
Additional Memory Type D (512 MB) ⁴⁰	5595B001AA	-
Document Scan Lock Kit-B1	3840B007AA	-
Removable HDD Kit-AG1	5997B001AA	-
iR ADV Security Kit-G1 for IEEE 2600.1 Common Criteria Certification Set ⁴¹	6807B002AA	-

⁸ Part numbers are subject to change without notice.

²⁴ The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

Table 6 – Integrated and imageRUNNER ADVANCE Solutions

Item	Box Part Number ⁸	eLAN Number ²⁴
AA-PROX V2.3 Software Only ^{42, 43}	-	4164BF13AA
AA-PROX V2.3 NFR Software Only ^{42, 43}	-	4164BF14AA
AA-PROX V2.3 Starter Package ^{42, 44}	5105B030AA	-
AA-PROX V2.3 NFR Starter Kit ^{42, 44}	5105B031AA	-
Authorized Send Kit V5.0 (1 License) ⁴²	-	4164BE36AA
Authorized Send Kit V5.0 (10 Licenses) ⁴²	-	4164BE37AA
Authorized Send Kit V5.0 (100 Licenses) ⁴²	-	4164BE38AA
Authorized Send Kit V5.0 (1 License NFR) ⁴²	-	4164BE39AA
imageRUNNER ADVANCE Desktop V3.0.1L with 3 Years Software Maintenance	-	4140B397AA
imageRUNNER ADVANCE Desktop V3.0.5L with 3 Years Software Maintenance	-	4140B398AA
imageRUNNER ADVANCE Desktop V3.0.20L with 3 Years Software Maintenance	-	4140B399AA
imageRUNNER ADVANCE Desktop V3.0.10L NFR ⁴⁵	-	4140B400AA

⁸ Part numbers are subject to change without notice.

²⁴ The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

³⁶ The HDD Mirroring feature requires two hard drives, either one additional 2.5 inch/160 GB HDD-J1 (paired with the standard 160 GB HDD, or two 2.5 inch/1 TB HDD-K1s (one of the 1 TB HDDs replaces the standard 160 GB HDD).

³⁷ Requires the PS Printer Kit-AU1 or Direct Print Kit (for PDF/XPS)-H1 to print PDF files.

³⁸ Requires the optional USB Device Port-A2.

³⁹ Replaces the Wireless LAN Board-B2.

⁴⁰ Required for 200 x 400 dpi, 400 x 400 dpi, 600 x 600 dpi color/grayscale scanning.

⁴¹ Includes the HDD Data Encryption & Mirroring Kit-C5. Specified configurations and settings need to be applied to the device to achieve and maintain IEEE 2600.1 Common Criteria Certification. Cannot be configured with the Super G3 2nd Line Fax Board-AL1, Super G3 3rd/4th Line Fax Board-AL1, Multimedia Reader/Writer-A1, Direct Printer Kit (for PDF/XPS)-H1, Remote Operators Software Kit-B1, or Web Access Software-H1.

⁴² The Jar file can only be attained via download from <http://www.canon.com/fau/downloads>.

⁴³ Requires a supported RF IDEas pcProx Card Reader.

⁴⁴ Includes one AA-PROX V2.3 license, an RF IDEas pcProx Card Reader for HID (Human Interface Device) proximity cards, and a HID Proximity Card Set (10 cards). Requires the optional USB Device Port-A2.

⁴⁵ Licenses expire in one (1) year.

Table 6 – Integrated and imageRUNNER ADVANCE Solutions Continued

Item	Box Part Number ⁸	eLAN Number ²⁴
Workflow Composer with MEAP Connectors V2.2 1L (1 to 4 Licenses)	-	4165B073AA
Workflow Composer with MEAP Connectors V2.2 1L (5 to 19 Licenses)	-	4165B074AA
Workflow Composer with MEAP Connectors V2.2 1L (20 Licenses)	-	4165B075AA
Workflow Composer with MEAP Connectors V2.2 1L NFR	-	4165B079AA
imageRUNNER ADVANCE Tracker V1.3 1L (1 to 4 Licenses)	-	4148B396AA
imageRUNNER ADVANCE Tracker V1.3 1L (5 to 19 Licenses)	-	4148B397AA
imageRUNNER ADVANCE Tracker V1.3 1L (20 Licenses)	-	4148B398AA
imageRUNNER ADVANCE Tracker V1.3 1L NFR	-	4148B407AA
MEAP Connector for SharePoint Server V1.1 (1 Device) ⁴⁶	-	4165B036AB
AA-PROX V2.3 with Workflow Composer and MEAP Connectors	-	5105B036AA
AA-PROX V2.3 with Tracker	-	5105B037AA
imageWARE Document Server V2.0E 1L with 3 Years Software Maintenance ⁴⁷	-	4143B039AB
imageWARE Document Server V2.0E 1L NFR	-	4143B045AB
Client Access License for imageWARE Document Server V2.0 5CAL	-	4143B046AB
Client Access License for imageWARE Document Server V2.0 20CAL	-	4143B047AB
Client Access License for imageWARE Document Server V2.0 100CAL	-	4143B048AB
Client Access License for imageWARE Document Server V2.0 10CAL NFR	-	4143B049AB
imageWARE Document Server 1L with 1 Year Software Maintenance Extension ⁴⁸	7494A696AA	-
imageWARE Document Server V1.1 1L and DT 5L with 1 Year Software Maintenance Extension ⁴⁸	7494A766AA	-
imageRUNNER ADVANCE Desktop 1L with 1 Year Software Maintenance Extension ⁴⁸	7494A752AA	-
imageRUNNER ADVANCE Desktop 5L with 1 Year Software Maintenance Extension ⁴⁸	7494A689AA	-
imageRUNNER ADVANCE Desktop 20L with 1 Year Software Maintenance Extension ⁴⁸	7494A751AA	-
imageWARE Scan Manager DS V1.1E 1L with 3 Years Software Maintenance ⁴⁷	7494A698AB	-
imageWARE Scan Manager DS V1.0/1.1 EFS 1L with 1 Year Software Maintenance Extension ⁴⁸	7494A699AA	-
imageWARE Scan Manager DS V1.1E 1L NFR ⁴⁹	7494A700AB	-

⁸ Part numbers are subject to change without notice.

²⁴ The eLAN (Electronic License Access Number) is delivered via the CNA (Canon Network Access) Web site.

⁴⁶ Workflow Composer must be installed. Does not come with software maintenance.

⁴⁷ Ships standard with three year software maintenance.

⁴⁸ Software Maintenance Extensions can be purchased and registered up to 5 years in advance.

⁴⁹ Dealers can purchase up to three NFR packages per showroom.

Table 7 – Supplies and Consumables

Item	Part Number ⁸
GPR-37/38 Drum Unit	3765B003AA
GPR-37 Black Toner	3764B003AA
Stamp Ink CRG-C1	1857B001AA
Stamp Unit-B1	1858B001AA
Staple Cartridge-N1 ⁵⁰	1007B001AA
Staple Cartridge-P1 ⁵¹	1008B001AA

⁸ Part numbers are subject to change without notice.

⁵⁰ For the Staple Finisher-N1, Booklet Finisher-N1, Staple Finisher-Q1 PRO, and Booklet Finisher-Q1 PRO. Used for corner and double stapling only. Contains three cartridges per case and 5,000 staples per cartridge.

⁵¹ For the Booklet Finisher-N1 and Booklet Finisher-Q1 PRO. Used for booklet finishing only. Contains two cartridges per case and 5,000 staples per cartridge.

II. Hardware Accessory Options

A. 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.

B. 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 140 lb index (52 to 256 g/m²)).
- No support for coated or tab paper, or double-feed detection.

C. Staple Finisher-N1



- Contains three trays, which hold approximately 4,250 sheets (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.
- Cannot be installed with the Booklet Finisher-N1, Staple Finisher-Q1 PRO, or Booklet Finisher-Q1 PRO.

D. Booklet Finisher-N1



- Contains three trays, which hold approximately 4,250 sheets (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 five sheets without stapling.
- Attach the optional Puncher Unit-BF1 to provide hole punch capabilities.
- Cannot be installed with the Staple Finisher-N1, Staple Finisher-Q1 PRO, or Booklet Finisher-Q1 PRO.

E. Staple Finisher-Q1 PRO



- Contains two output trays, which hold approximately 5,000 sheets (Top Tray: up to 1,000 sheets and Bottom Tray: up to 4,000 sheets).
- Can corner or double staple approximately 100 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Attach the optional Canon Puncher Unit-BS1 internally to provide hole punch capabilities.
- Cannot be installed with the Staple Finisher-N1, Booklet Finisher-N1, or Booklet Finisher-Q1 PRO.

F. Booklet Finisher-Q1 PRO



- Contains two output trays, which hold approximately 5,000 sheets (Top Tray: up to 1,000 sheets and Bottom Tray: up to 4,000 sheets).
- Can corner or double staple approximately 100 sheets of paper (LTR, 20 lb bond (80 g/m²)).
- Can saddle stitch approximately 25 booklets (100 pages up to 13" x 19 1/4" in size), and V-fold up to five sheets without stapling.
- Contains a built-in conveyor belt, which enables unlimited booklet sets to be made.
- Attach the optional Canon Puncher Unit-BS1 internally to provide hole punch capabilities.
- Cannot be installed with the Staple Finisher-N1, Booklet Finisher-N1, or Staple Finisher-Q1 PRO.

G. Booklet Trimmer-D1



- Connects to the Booklet Finisher-Q1 PRO.
- Provides adjustable front trimming of saddle-stitched booklets (approximately 100 pages).
- The Booklet Tray can hold approximately 30 booklets.

H. Inner Booklet Trimmer-A1



- Connects to the Booklet Finisher-N1.
- Provides adjustable front trimming of saddle-stitched booklets (approximately 100 pages).
- The Booklet Tray can hold approximately 25 booklets.

I. Puncher Unit-BF1



Provides 2- to 3-hole punch capabilities for either the optional Staple Finisher-N1 or Booklet Finisher-N1.

J. Puncher Unit-BS1



Provides 2- to 3-hole punch capabilities for the optional Booklet Finisher-Q1 PRO or Staple Finisher-Q1 PRO.

K. 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).

L. Document Insertion Unit-K1



- Inserts pre-printed cover sheets or insertion sheets for binding.
- Contains an upper and lower tray. Both trays can hold approximately 200 sheets (up to 400 sheets total).
- Supports paper sizes from LTR to 13" x 19" (14 lb bond to 140 lb index (52 to 256 g/m²)).

M. Paper Folding Unit-H1



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

N. Card Reader-F1



- Supports up to 1,000 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.

O. Duplex Color Image Reader Unit-G1



- Provides a two-sided single-pass reading method for scanning one- or two-sided documents.
- Loading capacity of 300 sheets, and can scan differently sized originals.
- Cannot be installed with the Printer Cover-B1.

P. Printer Cover-B1



Can be installed instead of the Duplex Color Image Reader Unit-G1 to make the machine a printer only.

Q. Upright Control Panel-B1

- An option for the imageRUNNER ADVANCE 8285 machine 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.

R. 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.

III. System Options

The functionality of the imageRUNNER ADVANCE 8200 Series can be expanded by installing the following system related optional accessories.

A. Copy and Print Options

1. PCL Printer Kit-AU1

- Supports the PCL5e/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-AU1

- 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.
- No additional memory is required.
- 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-AU1.
- 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-AU1.
- Requires license activation via the LMS

5. 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.

6. imagePASS-U2

- An external print controller that attaches to the back of the machine, and supports Adobe Genuine PostScript 3 and PCL5e printer languages.
- Suited for office environments in which larger print volumes are frequently processed.
- Comes standard-equipped with Hot Folder v3.0, Paper Catalog Kit, and Secure Erase v1.1.



IMPORTANT

The imagePASS-U2 cannot be used with the Encrypted Secure Print Software-D1 or the Job Hold function.

7. 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-AL1

- 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-AL1

- Provides two lines to send and receive fax documents.
- Requires the Super G3 FAX Board-AL1.

6. Super G3 3rd/4th Line Fax Board-AL1

- Provides up to four lines to send and receive fax documents.
- Requires the Super G3 FAX Board-AL1 and Super G3 2nd Line Fax Board-AL1.

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-AL1 installed), on the same network.
- If the above condition is true, then fax documents can be sent and received remotely between the two machines.
- The Remote Fax Kit-A1 requires license activation via the LMS.
- The Remote Fax Kit and the Super G3 FAX Board-AL1 cannot be installed together.

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-U1.

2. iR-ADV Security Kit-G1 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.

3. Silex Wireless Bridge SX-2500CG

- Replaces the Wireless LAN Board-B2.
- Enables 10/100BASE-TX wired devices to operate in 802.11b/g wireless LAN networks.

4. HDD Data Encryption & Mirroring Kit-C5

- 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-AG1

- 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. 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.

7. 2.5 inch/160 GB HDD-J1

- 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.

8. 2.5 inch/1 TB HDD-K1

- Required to replace the machine's standard hard disk drive to increase the HDD capacity to 1 TB.
- If the machine is configured with the optional HDD Data Encryption & 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.

E. Memory Options

1. Additional Memory Type D (512 MB)

Required for 200 x 400 dpi, 400 x 400 dpi, and 600 x 600 dpi color/grayscale scanning.

2. 2.5 inch/1 TB HDD-K1

- Required to replace the machine's standard 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 8200 Series machines offer four built-in storage methods with flexible linkage to external systems for storing scanned documents and accessing stored files.

- Mail Box
- Advanced Box
- Network
- Memory Media



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. 19.
- 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 8200 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 8200 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 8200 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. 23.

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

V. Security Features

The imageRUNNER ADVANCE 8200 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 8200 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.

B. Data Security

The imageRUNNER ADVANCE 8200 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 p. 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 with “0” (zeros) one time.

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,”](#) on p. 25.

4. TPM (Trusted Platform Module)

TPM is a standard security chip (tamper resistant hardware) installed in the imageRUNNER ADVANCE 8200 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

The optional Removable Hard Disk Drive 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 Drive Kit,”](#) on p. 25.

C. Document Security

The imageRUNNER ADVANCE 8200 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.

D. Network Security

The imageRUNNER ADVANCE 8200 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 8200 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 8200 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 8200 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, SMTP, 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.

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, work distribution capabilities that can be personalized according to the scan volume and skill level of each user, and one-step capture, 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.

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-AU1 is required.

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. 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 connect mobile devices to an imageRUNNER ADVANCE machine to print documents, e-mail messages, attachments, and images, 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-AU1 is required.

2. 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.

3. 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.

4. **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.

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 obtain and maintain authorization to sell or service an imageRUNNER ADVANCE device, every Authorized Reseller's location must have at least two employees who have successfully completed the appropriate imageRUNNER ADVANCE device-training program, and who have been certified, as described in [Educational Training](#).

VIII. Educational Training

A. Training Program Overview

The imageRUNNER ADVANCE 8200 Series training program consists of two learning paths, based on service technicians who are trained and certified on the predecessor imageRUNNER ADVANCE 8000/6000 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 8000 and 6000 Series machines, and enables technicians to identify the new features of the imageRUNNER ADVANCE 8200 and 6200 products. The "Blended" training courses provide technicians with the knowledge required for installing, configuring, servicing, and maintaining the imageRUNNER ADVANCE 8200/6200 Series devices and respective accessories in the field.

Figure 1 – Learning Path for Technicians Not Certified on the imageRUNNER ADVANCE 8000/6000 Series Machines

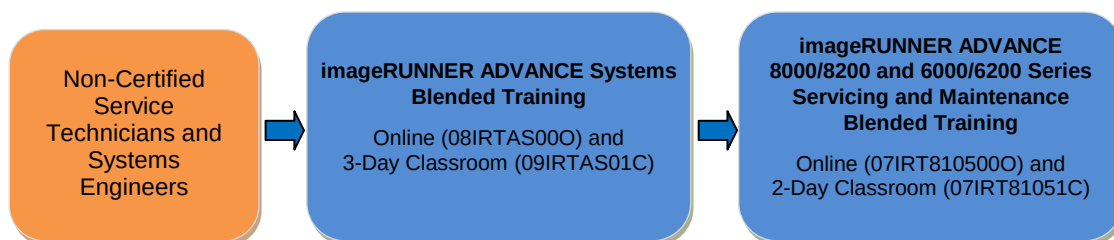
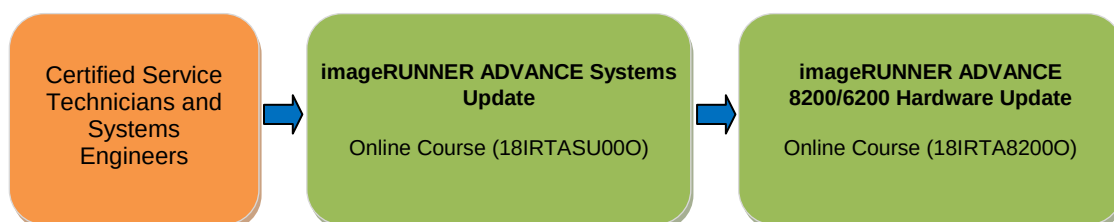


Figure 2 – Learning Path for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians



1. Learning Path for Non-Certified Technicians

Technicians can be certified on the imageRUNNER ADVANCE 8200 Series machines by taking the Systems and Hardware courses online, or by participating in the 3-day Systems classroom and 2-day hardware classroom 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 8200 Series machines.

Table 8 – Online Course Modules

Course Name	Course Code	Required
imageRUNNER ADVANCE Systems	08IRTAS00O	Yes
imageRUNNER ADVANCE 8000/8200 and 6000/6200 Servicing and Maintenance	07IRT810500O	Yes

b. Classroom Courses

The 3-day Systems and 2-day Hardware classroom courses blend the information taught online with hands-on, practical training in the classroom. 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 9 – Classroom Courses

Course Name	Course Code	Required
imageRUNNER ADVANCE Systems	09IRTAS01C	Yes
imageRUNNER ADVANCE 8000/8200 and 6000/6200 Series Servicing and Maintenance	07IRT81051C	Yes

2. Learning Path for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians

Technicians who are already certified on the imageRUNNER ADVANCE 8000/6000 Series machines can take the updated imageRUNNER ADVANCE 8200/6200 Series Systems and Hardware courses online.

Table 10 – Updated Online Course Modules for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians

Course Name	Course Code	Required
imageRUNNER ADVANCE Systems Update	18IRTASU00O	Yes
imageRUNNER ADVANCE 8200/6200 Series Hardware Update	18IRTA8200O	Yes

B. Prerequisites

Prior to taking the imageRUNNER ADVANCE 8200 Series Training program, technicians must successfully complete the Applied Technologies Learning course.

Table 11 – Prerequisite Courses

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

C. Certification

The successful completion of the imageRUNNER ADVANCE 8200/6200 Series Training program and passing of the final assessment exam are required to sell this product.

Certification includes the following models:

- imageRUNNER ADVANCE 8205, 8295, and 8285
- imageRUNNER ADVANCE 6275, 6265, and 6255

D. Who Should Attend

It is highly recommended that any technician responsible for installing, servicing, or supporting the imageRUNNER ADVANCE 8200 Series machines successfully complete the imageRUNNER ADVANCE 8200/6200 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 8200 Series device must be available to complete the labs.

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 8200 Series device
- Applicable accessories (hardware and software)

G. Service Materials

The materials required for the imageRUNNER ADVANCE 8200 Series Training Program are listed in the table below.

Table 12 – Service Materials

Model	Item	Location
imageRUNNER ADVANCE 8200 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 strongly suggests dedicated and properly grounded outlets be provided for the imageRUNNER ADVANCE 8200 Series devices.

The imageRUNNER ADVANCE 8200 Series devices require a NEMA 5-20 receptacle for proper operation. Before installation, confirm that the proper dedicated NEMA receptacles are available for these devices.

Table 13 – Main Unit Power and Plug Requirements

imageRUNNER ADVANCE 8200 Series Main Unit	
	 NEMA 5-20 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. 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 8200 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 8200 Series machines or any computer controlled office equipment requires.
- Before installation, confirm that all necessary receptacles are available.

Table 14 – Power Requirements for the Main Unit and Optional Accessories

Part or Accessory	Power Supply	Power Supply Cord/Plug Specifications	Length of Power Cord
Main Unit	1-120 V/20 A outlet	NEMA 5-20	8.5' (2.6 m)
Duplex Color Image Reader Unit-G1	From the main unit	—	—
Paper Deck Unit-C1	From the main unit	—	—
POD Deck Lite-A1	1-120 V/15 A outlet	NEMA 5-15	8.5' (2.6 m)
Staple Finisher-N1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Booklet Finisher-N1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Staple Finisher-Q1 PRO	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Booklet Finisher-Q1 PRO	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Document Insertion Unit-K1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Paper Folding Unit-H1	From the finisher	—	—
Professional Puncher-C1 & Professional Puncher Integration Unit-B1⁵²	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Puncher Unit-BF1	From the finisher	—	—
Puncher Unit-BS1	From the finisher	—	—
Inner Booklet Trimmer-A1	From the finisher	—	—
Booklet Trimmer-D1⁵³	From the finisher	—	—
imagePASS-U1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)

52 The Professional Puncher Integration Unit-B1 provides the Professional Puncher-C1 with power.

53 The optional Booklet Trimmer-D1 can only be used with the optional Booklet Finisher-Q1 PRO.

B. Installation Space Requirements

The imageRUNNER ADVANCE 8200 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

- Keep the back of the machine at least 31.5" (800 mm) away from a wall (if the optional Paper Folding Unit-H1, Professional Puncher-C1 and Professional Puncher Integration Unit-B1, or Document Insertion Unit-K1 is attached). For all other configurations, 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.

Table 15 – Installation Space Requirements

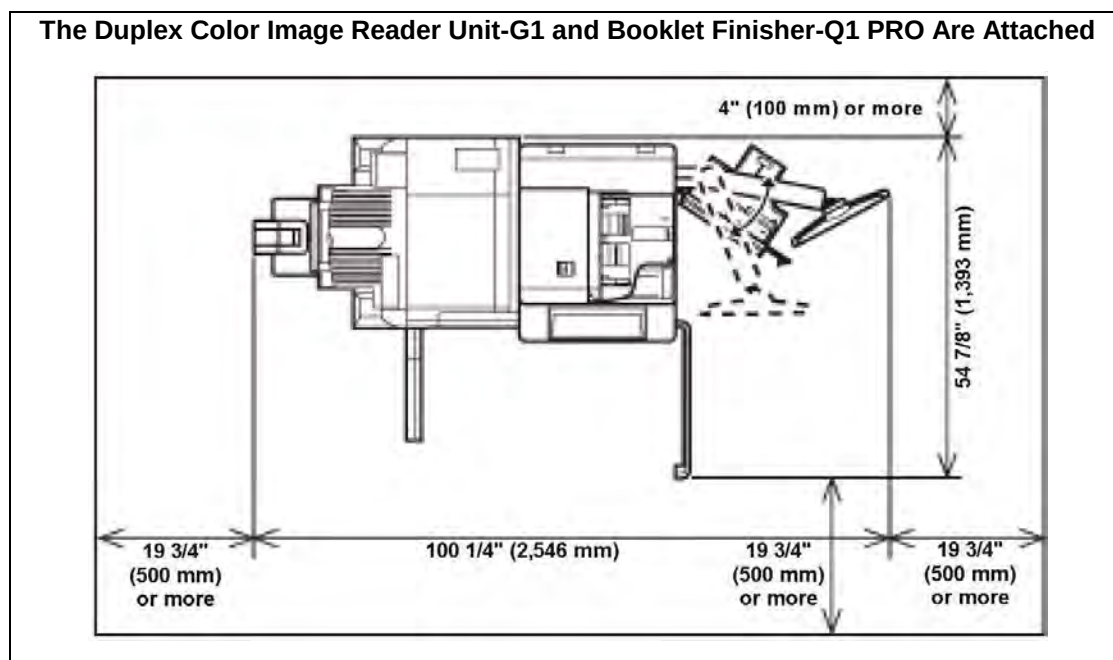
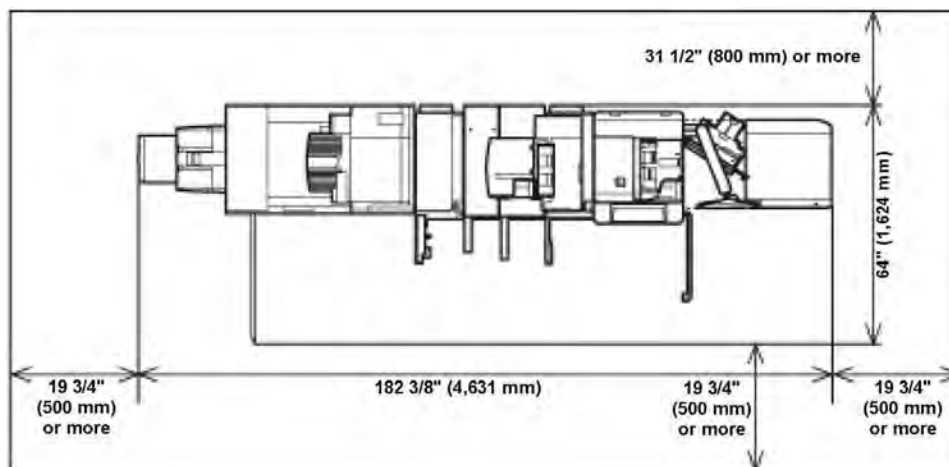


Table 15 – Installation Space Requirements Continued

The Duplex Color Image Reader Unit-G1, POD Deck Lite-A1, Document Insertion Unit-K1, Professional Puncher-C1, Professional Puncher Integration Unit-B1, Paper Folding Unit-H1, Booklet Finisher-Q1 PRO, and Booklet Trimmer-D1 Are Attached



C. Estimated Installation Times

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

Table 16 – Estimated Installation Times

Description	Estimated Time
imageRUNNER ADVANCE 8205 Series (Upright Control Panel Model)	40 minutes
imageRUNNER ADVANCE 8285 Series (Flat Control Panel Model)	30 minutes
Upright Control Panel (for imageRUNNER ADVANCE 8285 Series)	8 minutes
Duplex Color Image Reader-G1	15 minutes
Paper Deck Unit-C1	20 minutes
POD Deck Lite-A1	20 minutes
Copy Card Reader-F1 (Upright Control Panel Model)	8 minutes
Copy Card Reader-F1 (Flat Control Panel Model)	7 minutes
Copy Card Reader Attachment Kit-A2	6 minutes
Staple Finisher-N1	15 minutes
Booklet Finisher-N1	18 minutes
Staple Finisher-Q1 PRO	20 minutes
Booklet Finisher-Q1 PRO	20 minutes
Puncher Unit-BF1	13 minutes
Puncher Unit-BS1	13 minutes
Professional Puncher-C1 and Professional Puncher Integration Unit-B1	21 minutes
Document Insertion Unit-K1	20 minutes
Paper Folding Unit-H1	23 minutes
Inner Booklet Trimmer-A1	17 minutes
Utility Tray-A2	5 minutes
Booklet Trimmer-D1	36 minutes
Super G3 FAX Board-AL1	20 minutes
Super G3 2 nd Line Fax Board-AL1	14 minutes
Super G3 3 rd /4 th Line Fax Board-AL1	16 minutes
USB Device Port-A2 (for both Flat and Upright Control Panel Models)	13 minutes
Multimedia Reader/Writer-A2	9 minutes
Additional Memory Type D (512 MB)	5 minutes
Voice Guidance Kit-F2	12 minutes
Voice Operation Kit-C2 (for both Flat and Upright Control Panel Models)	12 minutes
HDD Data Encryption & Mirroring Kit-C5	25 minutes
Removable HDD Kit-AG1	21 minutes
2.5 inch/160 GB HDD-J1	10 minutes
2.5 inch/1 TB HDD-K1	10 minutes
Image Data Analyzer Board-B1	6 minutes

D. 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 17 – CDS Firmware Delivery Methods

Method		Download Firmware	Install Firmware	Frequency	Cost Savings
Method A	Scheduled Update (at device)	Automatic	Automatic	Rekurs periodically	Full, automatic and unattended firmware updates after an initial one-time setup (fewer than 5 minutes).
Method B	Remote Update via UGW + CDS	Up to 13 hours to 7 days in advance	Automatic	One time as scheduled	Eliminates technician visits.
			Manual		Reduces the duration of a technician's visit.
Method C	On Demand Update (at device)	Up to 7 days in advance	Automatic	One time as scheduled	Full, automatic and unattended firmware updates after configuring (fewer than 5 minutes).
			Manual	One time on demand	Requires a technician visit every time the firmware must be updated.

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.

E. 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 8200 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 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).

F. LMS (License Management System)

To activate optional software programs, 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

Canon

Language: English

License Management System

Welcome to License Management System.
This web site will assist you in issuing Licenses needed to install various Canon products.

License Issuance

License Access Number Entry

Enter the License Access Number of the Canon product you purchased.

License Access Number: - - -

The License Access Number is packaged with the option you purchased.

Next →

Version 3.0 © CANON INC. 2009

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.

G. 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

The screenshot shows the Canon Content Delivery System web site interface. At the top, there is a green header bar with the Canon logo on the left, the text "Content Delivery System" in the center, and a language selection dropdown menu on the right set to "English". Below the header, there is a section titled "Application/Option/Manual Download" with a "Close" button to its right. Underneath this is a "License Access Number Entry" section. It contains the instruction "Enter the License Access Number of the Canon product you purchased." followed by a form with four input boxes separated by hyphens. Below the form, there is a link "Download Operating Manual" with a document icon. At the bottom right of the form area, there is a "Next" button with a right-pointing arrow.

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

H. Recommended System Engineer Requirements

An SE (System Engineer)⁵⁴ 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

⁵⁴ 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.

I. 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:

- 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 8200 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-G1 for IEEE 2600.1 Common Criteria Certification ships with certified device firmware to enable the imageRUNNER ADVANCE 8200 Series machines to be IEEE 2600.1 certified.
- Once the imageRUNNER ADVANCE Security Kit-G1 for IEEE 2600.1 Common Criteria Certification is installed, you can only upgrade imageRUNNER ADVANCE 8200 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.

J. Computer Requirements for Downloading Firmware

The recommended desktop PC or laptop requirements⁵⁵ 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

K. Hard Disk Drive Handling

The imageRUNNER ADVANCE 8200 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

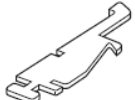
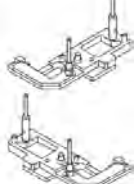
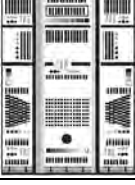
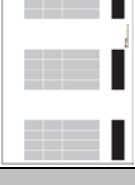
If an HDD must be replaced due to a fault, all MEAP application files stored on it will be lost, requiring all applications and their license files to be reinstalled, in addition to replacing the HDD. Refer to the *imageRUNNER ADVANCE 8205/8295/8285 Series Service Manual* for further details.

⁵⁵ Specifications are subject to change without notice.

L. Special Tools, Solvents and Oils

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 8205/8295/8285 Series Service Manual*.

Table 18 – Special Tools List

Description	Appearance	Rank	Part Number ⁸	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.
Mirror Positioning Tool (Front and Rear)		B	FY9-3046-000	Used to position Mirror Mount 1 and Mirror Mount 2.
NA-3 Test Chart		A	FY9-9196-000	Used for checking and adjusting images.
Electrode for Checking a Potential Sensor		B	FY9-3059-000	Used to check for a potential zero-level surface sensor.
MTF Test Sheet		-	FY9-9453-000	Used to adjust an image for the MTF (Modulation Transfer Function).
Rank Description				
A: Each service person must carry one.				
B: At least every five service people must carry one.				

⁸ Part numbers are subject to change without notice.

Table 19 – Solvents and Oils

Type	Uses	Composition	Remarks
Alcohol	Cleaning glass, plastic, rubber, and external covers.	- Fluoride-family hydrocarbon - Alcohol - Surface activating agent - Water	- Keep away from flammable materials. - Purchase locally. - Substitute: IPA (Isopropyl Alcohol).
Solvent	Cleaning metal, oil, and toner stains.	- Fluoride-family hydrocarbon - Chlorine-family hydrocarbon - Alcohol	- Keep away from flammable materials. - Purchase locally. - Substitute: MEK (Methyl Ethyl Ketone)
Lubricating Oil (EM-50L)	To lubricate the gears.	- Special oil - Special solid lubricating agent - Lithium soap	Tool Number: HY9-0007
Lubricating Oil	To lubricate the scanner rail.	Synthetic oil	- Synthetic oil (NTN Corporation EU-1) - Tool Number: FY9-6028 (50 cc)
Super Lube Grease	To lubricate the gears of the fixing assembly.	Chemical synthetic oil	Tool Number: FY9-6005 (80 g)
Tospearl	To lubricate the photosensitive drum's cleaning blade, and to prevent the drum's cleaning blade from detaching.	-	Tool Number: FY9-6007
Conducting Grease	To lubricate the drum's sliding assembly.	- Ether - Polytera fluoethylene	Tool Number: FY9-6008 (10 g)
Drum Cleaning Powder	To clean the photosensitive drum.	- Aluminum oxide - Zirconium silicate	FO #6000 (Fujimi Incorporated) Tool Number: FY9-6024

M. Consumables

Consumables are all products and materials that 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 to determine the approximate yield expectancy of a consumable item, including paper size and the amount of coverage per page.

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

Table 20 – Main Unit Consumables List

Description	Part Number ⁸	Quantity	Estimated Life (Pages) ⁵⁶	Remarks
GPR-37/38 Drum Unit	3765B003AA	1	Approximately 6,000,000	Based on 6% toner coverage.
GPR-37 Black Toner	3764B003AA	1	Approximately 70,000 ⁵⁷	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

⁵⁷ The estimated life of the first toner bottle is shortened to approximately 50,000 pages, as the toner is first supplied to the Developing Assembly and Buffer Unit.

N. 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 21 – Main Unit Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Primary Charging Assembly	FM3-7288-000	1	1,500,000 pages	
Pre-Transfer Charging Assembly	FM4-3149-000	1	1,500,000 pages	
Developing Assembly	FM4-5429-000	1	1,500,000 pages	500,000 pages if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Drum Cleaning Blade	FL3-6291-000	1	600,000 pages	Reverse the blade after 300,000 (single-sided) sheets have been output.
Drum Separation Claw	FB4-8018-000	3	500,000 pages	250,000 pages if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Drum Front Side Seal	FC8-7086-000	1	500,000 pages	250,000 pages if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Drum Rear Side Seal	FC8-7086-000	1	500,000 pages	250,000 pages if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 21 – Main Unit Consumable Parts List Continued

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Scraper	FC9-9153-000	2	500,000 pages	250,000 pages if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
ETB	FC8-7160-000	1	500,000 pages	
Transfer Roller	FC8-7159-000	1	500,000 pages	
Brush Roller	FC9-9022-000	1	500,000 pages	
ETB Cleaning Blade	FC6-1647-000	1	500,000 pages	
Fixing Web	FC5-2286-000	1	500,000 pages	
Fixing Roller	FL3-3602-000	1	600,000 pages	
Fixing Roller Insulating Brush	FC9-8069-000	2	600,000 pages	
Fixing Roller Thrust Retainer	FC6-3501-020	2	600,000 pages	Replace simultaneously with the Fixing Roller.
Pressure Roller Unit	FM4-3158-000	1	600,000 pages	
Pressure Roller Static Eliminator (Front)	FE2-3452-000	1	600,000 pages	
Pressure Roller Static Eliminator (Rear)	FE2-3453-000	1	600,000 pages	
Upper Separation Claw	FB5-3625-000	6	500,000 pages	
Cassette 3 and 4 Pickup Rollers	FC5-2524-000	2	500,000 sheets	One piece for each cassette.
Cassette 3 and 4 Feed Rollers	FC5-2526-000	2	500,000 sheets	One piece for each cassette.
Cassette 3 and 4 Separation Rollers	FC5-2528-000	2	500,000 sheets	One piece for each cassette.
Right and Left Deck Pickup Rollers	FC5-2524-000	2	500,000 sheets	One piece for each deck.
Right and Left Deck Feed Rollers	FC5-2526-000	2	500,000 sheets	One piece for each deck.
Right and Left Deck Separation Rollers	FC5-2528-000	2	500,000 sheets	One piece for each deck.
Multi-Purpose Tray Separation Roller	FC6-6661-000	1	120,000 sheets	
Multi-Purpose Tray Feed Roller	FB1-8581-000	1	120,000 sheets	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 22 – Duplex Color Image Reader Unit-G1 Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Pickup Roller	FC8-5577-000	1	80,000 images	
Feed Roller 1	FL2-9608-000	1	80,000 images	
Separation Roller	FB2-7777-020	1	80,000 images	
Dust Collector Type A	FC8-5633-000	2	80,000 images	
Dust Collector Type B	FC8-5727-000	8	80,000 images	
Stamp	FC7-5465-000	1	7,000 images	Replace when the stamp gets too light.

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 23 – POD Deck Lite-A1 and Paper Deck Unit-C1 Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Deck Pickup Roller (Front)	FF5-7829-000	1	500,000 sheets	
Deck Pickup Roller (Rear)	FF5-7830-000	1	500,000 sheets	
Deck Pickup/Feed Roller	FF6-1975-000	1	500,000 sheets	
Deck Separation Roller	FB2-7777-020	1	500,000 sheets	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 24 – Booklet Finisher-N1 and Staple Finisher-N1 Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Static Eliminator (Feed Guide Unit)	FC9-3335-000	1	1,000,000 pages	
Shutter Torque Limiter	FC9-3559-000	1	1,000,000 times	
Stapler Unit	FM0-2341-000		500,000 times	
Paper Holding Torque Limiter	FC9-3323-000	1	1,000,000 times	
Tray 1 Torque Limiter	FC9-3559-000	2	200,000 times	
Tray 2 Torque Limiter	FC9-3559-000	2	200,000 times	
Static Eliminator (Swing Guide Unit)	FC9-3151-000	1	1,000,000 pages	
Static Eliminator (Swing Guide Unit)	FC9-3150-000	1	1,000,000 pages	
Stack Delivery Upper Roller (Front/Rear)	FC9-3148-000	2	3,000,000 pages	
Stack Delivery Upper Roller (Center)	FC9-3149-000	1	3,000,000 pages	
Sub Guide Torque Limiter	FC9-3111-000	2	3,000,000 times	
Static Eliminator (Grate-Shaped Lower Guide Unit)	FL3-2575-000	2	1,000,000 pages	
Paper Holding Rubber	FC9-3108-000	1	3,000,000 pages	
Swing Guide Solenoid	FK2-8206-000	1	1,000,000 times	
Torque Limiter (Trays 1 and 2 Paper Holders)	FC9-3111-000	2	1,000,000 times	
Paper Return Guide Roller (Front)	FC9-3436-000	1	3,000,000 pages	
Paper Return Guide Roller (Rear)	FC9-3319-000	1	3,000,000 pages	
Paper Holding Roller	FC9-3320-000	1	3,000,000 pages	
Shutter Clutch	FK2-8207-000	1	1,000,000 times	
Side Rib	FL3-4973-000	2	200,000 times	For the Staple Finisher-N1 only.

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 25 – Document Insertion Unit-K1 Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Through-Pass Inlet Antistatic Needle	FL3-3420-000	2	6,000,000 pages	
Through-Pass Outlet Antistatic Needle	FL3-3418-000	2	6,000,000 pages	
Pickup Roller (Upper)	4A3-3870-000	2	100,000 sheets	
Separation Roller (Upper)	4A3-3868-000	1	100,000 sheets	
Feed Roller (Upper)	4A3-3869-000	1	100,000 pages	
Torque Limiter (Upper)	4A3-3888-000	1	1,000,000 times	
Electromagnetic Clutch (Upper)	4H3-0290-000	1	1,000,000 times	
Pickup Roller (Lower)	4A3-3870-000	2	100,000 sheets	
Separation Roller (Lower)	4A3-3868-000	1	100,000 sheets	
Feed Roller (Lower)	4A3-3869-000	1	100,000 pages	
Torque Limiter (Lower)	4A3-3888-000	1	1,000,000 times	
Electromagnetic Clutch (Lower)	4H3-0290-000	1	1,000,000 times	
Reversal Solenoid Assembly	FL2-7191-000	1	1,000,000 pages	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 26 – Paper Folding Unit-H1 Consumable Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Through-Pass Inlet Antistatic Needle	FL3-3406-000	2	6,000,000 pages	
Through-Pass Outlet Antistatic Needle	FL3-3418-000	2	6,000,000 pages	
Folding Front Lower Roller Clutch 1	FK2-4588-000	1	1,000,000 pages	
Folding Front Lower Roller Clutch 2	FK2-4588-000	1	1,000,000 pages	
Folding/Spacing Solenoid	FM4-4117-000	1	1,000,000 times	
Through/Folding Branching Flapper Solenoid	FM3-2307-000	1	2,000,000 times	
C-Fold Stopper Solenoid	FK2-4587-000	1	3,000,000 times	
C-Fold Tray Branching Solenoid	FM3-2290-000	1	3,000,000 times	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

O. 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 27 – Image Formation System Periodically Replaced Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Primary Charging Wire Unit	FL3-4558-000	2	500,000 sheets	- All-in-one type (Charging Wire and Spring) 250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Primary Charging Wire	FB4-3687-000	As Needed	500,000 sheets	- Replace simultaneously with spring FL3-4558-000. 250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Primary Charging Wire Cleaner	FL2-4271-000	2	500,000 sheets	250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Primary Charging Wire Cleaner Holder	FL2-2720-000	2	500,000 sheets	250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Primary Grid Wire	FY1-0883-000	As Needed	500,000 sheets	
Pre-Transfer Charging Wire Unit	FL3-4559-000	1	500,000 sheets	- All-in-one type (Charging Wire and Spring) 250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 27 – Image Formation System Periodically Replaced Parts List Continued

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Pre-Transfer Charging Wire	FB4-3687-000	As Needed	500,000 sheets	- Replace simultaneously with spring FL3-4559-000. 250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Pre-Transfer Charging Wire Cleaner	FL2-4271-000	1	500,000 sheets	250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)
Pre-Transfer Charging Wire Cleaner Holder	FL2-2720-000	1	500,000 sheets	250,000 sheets if the machine is in a high-temperature and high-humidity environment (86°F (30°C) and 80% RH)

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 28 – Fixing System Periodically Replaced Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Main Thermistor Unit	FK2-7692-000	1	500,000 sheets	
Sub Thermistor	FK2-7693-000	2	500,000 sheets	

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

Table 29 – External Auxiliary System Periodically Replaced Parts List

Description	Part Number ⁸	Quantity	Estimated Life ⁵⁶	Remarks
Ozone Filter	FL3-2134-000	1	6,000,000 sheets	For exhausting from the rear (lower side).
Dustproof Filter	FC8-9564-000	1	2,000,000 sheets	For primary charging.

⁸ Part numbers are subject to change without notice.

⁵⁶ Value is based on LTR paper. Estimated average values in the field are based on data from the supplier. Data is subject to change, depending on many factors, including, without limitation, the monthly copy volume, environment, type of image printed, and how the customer handles the equipment.

P. Periodic Maintenance

The parts in the table below must be cleaned or adjusted periodically to ensure a specific level of machine performance. Clean or adjust the parts at the interval specified below.

Item	Maintenance Interval (Sheets)					Remarks
	250,000	300,000	500,000	1,000,000	As Needed	
Grid Wire	Clean					Clean with a lint-free cloth moistened with water.
Scraper					Clean	Clean with a lint-free cloth moistened with alcohol.
Dustproof Glass					Clean	
Primary Charging Assembly Shield Plate	Clean					Clean with a lint-free cloth moistened with water.
Pre-Transfer Charging Assembly Shield Plate			Clean			
Pre-Transfer Charging Assembly Dust Collection Roller			Clean			Clean with a lint-free cloth moistened with alcohol.
Pre-Transfer Charging Assembly Roller (Electrode Area)			Clean			
Pre-Transfer Charging Assembly Toner Collection Area			Clean			Clean when the Pre-Transfer Charging Wire is replaced. Remove the toner in the toner collection area with a lint-free cloth moistened with alcohol.
Drum Cleaning Unit Plate			Clean			Clean with a lint-free cloth moistened with alcohol.
Toner Collection Area			Clean			Crumb the toner clusters, and then clean with a lint-free cloth moistened with alcohol.
Separation Claw Mounting Base			Clean			Clean with a lint-free cloth moistened with alcohol.
Patch Sensor			Clean			Clean in a single direction with a wet and tightly wrung cotton swab.
Process Unit Rear Guide			Clean			Clean with a lint-free cloth moistened with alcohol.
Drum Sliding Assembly					Lubricate	Apply lubricant (FY9-6008) to the Drum Sliding Assembly when an abnormal sound is heard while the machine is operating.
Drum Face		Clean				Use lint-free paper and drum cleaning powder (FY9-6024) to clean the drum face.
Drum Edge	Clean					Clean with a lint-free cloth moistened with alcohol.

Item	Maintenance Interval (Sheets)					Remarks
	250,000	300,000	500,000	1,000,000	As Needed	
Area Below the Developing Assembly					Clean	Remove any toner that has scattered after removing the Developing Assembly.
Developing Roller			Clean			Clean with a lint-free cloth moistened with alcohol.
Developing Sleeve Holder			Clean			
Lower Side of Cylinder			Clean			
Toner Receptacle Tray					Clean	Remove the toner on the tray.
Waste Toner Container			Clean			Clean when the Waste Toner Container Is Full message is displayed.
ETB Driver Roller			Clean			Clean with a lint-free cloth moistened with alcohol.
ETB Idler Roller			Clean			
Fixing Cleaning Web Guide			Clean			
Fixing Inlet Guide			Clean			Clean with solvent and a lint-free cloth. Remove any lint that covers the Inlet Sensor Flag.
Fixing Oil Receiver			Clean			Wipe with a dry, lint-free cloth.
Fixing Right Stay			Clean			Clean with solvent and a lint-free cloth.
Dowel			Clean			
Dowel Holder			Clean			
Fixing Inlet Sensor Flag			Clean			
Fixing Roller Static Eliminator			Clean			Wipe with a dry, lint-free cloth.
Inner Delivery Roller			Clean			Clean with solvent and a lint-free cloth.
Upper Separation Claw			Clean			Only clean if this part is not replaced. Clean with solvent and a lint-free cloth.
Feed Guide			Clean			Remove paper lint with a lint-free cloth and cleaning tool.
Rollers/Wheels			Clean			Clean with a lint-free cloth moistened with alcohol.
Separation Static Eliminator			Clean			Remove toner and paper lint with a blower.
Duplex Unit Cleaning Brush			Clean			Remove paper lint that was collected by the cleaning brush with a blower.
Registration Unit Magnet			Clean			Clean with a lint-free cloth moistened with alcohol.

Item	Maintenance Interval (Sheets)					Remarks
	250,000	300,000	500,000	1,000,000	As Needed	
Scanner Sensors (Pickup Assembly) ⁵⁸				Clean		Remove paper lint with a blower at the same time the Separation Roller is replaced.
Scanner Sensor (Feeding Assembly) ⁵⁹				Clean		Remove paper lint with a blower.

Q. Soft Counter

The imageRUNNER ADVANCE 8200 Series machines use soft counters to track their functional copy use. The control panel displays up to six counters on the Counter Status Check screen (when the Counter Check key on the control panel is pressed). By default, the imageRUNNER ADVANCE 8200 Series machines display 4 out of 6 counters on the Counter Status Check screen.

The table below indicates the default counter configurations of the imageRUNNER ADVANCE 8200 Series machines displayed on the Counter Status Check screen. For more information on the soft counter configurations, see the *imageRUNNER ADVANCE 8205/8295/8285 Series Service Manual*. Specifically, refer to the Service Mode section of the Service Manual that covers the setting under COPIER > OPTION > USER.

Table 30 – Soft Counter Configuration

Counter	Description	Default Display	Default Switch
1	101: Total 1	On	Fixed
2	103: Total (Large ⁶⁰)	On	May be changed via Service Mode setting to any available counter.
3	201: Copy (Total 1)	On	
4	203: Copy (Large ⁶⁰)	On	
5	Not displayed	Off	
6	Not displayed	Off	

The displayed counters can be changed, enabled, or disabled in the Service Mode, except for Counter 1. Counter 1 cannot be changed under any circumstances.

⁵⁸ Includes Left Deck Pickup Sensor 2 (PS20), Right Deck Pickup Sensor 2 (PS19), Cassette 3 Pickup Sensor 2 (PS21), and Cassette 4 Pickup Sensor 1 (PS22).

⁵⁹ Includes Vertical Path Sensor 1 (PS24), Multi-Purpose Tray Last Paper Sensor (PS28), Registration Sensor (PS29), Reverse Vertical Path Sensor (PS65), Duplex Outlet Sensor (PS64), Duplex Merge Sensor (PS67), and Duplex Left Sensor (PS66).

⁶⁰ Refers to large size paper (when the paper length exceeds 14" (364 mm) in the paper feed direction).

R. 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 20 counters available for MEAP applications on the imageRUNNER ADVANCE 8200 Series machines. However, one of these 20 counters is used for Universal Send.

X. Suggested End-User Customer Service Offerings

A. Monthly Copy/Print 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 31 – Monthly Copy/Print Volume

Model	Optimum Performance Range	Maximum Monthly Copy/Print Volume
imageRUNNER ADVANCE 8205	Approximately 100,000 to 300,000	Up to 1,000,000 copies/prints
imageRUNNER ADVANCE 8295	Approximately 80,000 to 250,000	Up to 900,000 copies/prints
imageRUNNER ADVANCE 8285	Approximately 50,000 to 200,000	Up to 750,000 copies/prints

B. Limited Warranty Support

1. End-User Limited Warranty Conditions

Ninety (90) days after delivery to the original purchaser or 600,000 prints/copies, or a combination of both, whichever comes first.

This limited warranty covers the compatible Canon brand product accessories. For detailed warranty information, please refer to the imageRUNNER ADVANCE 8205/8295/8285 Limited Warranty located in the [Appendix](#).

Note: There is no warranty on any consumable items or consumable parts, such as paper, toner, chemicals, or pick-up rollers.

2. GPR-37/38 Drum Unit Limited Warranty

Full Credit: 30 days from the date of the original purchase.

For detailed warranty information, please refer to the GPR-37/38 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 8200 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

e-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

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.

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

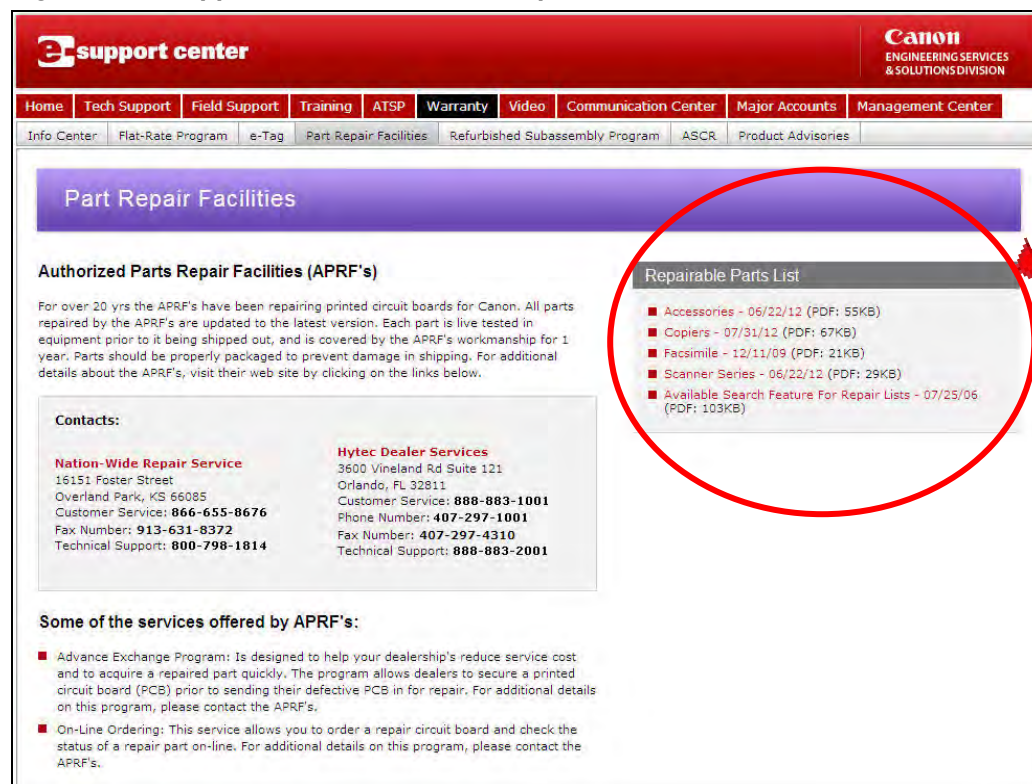
Repairable parts (under warranty) are repaired free-of-charge by the APRFs. Usually, the turnaround time is approximately five (5) business days. Once repaired and tested, the parts are shipped back to your dealership via UPS Ground.

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



The screenshot shows the Canon e-Support Center website. The top navigation bar includes links for Home, Tech Support, Field Support, Training, ATSP, Warranty, Video, Communication Center, Major Accounts, and Management Center. Below this is a secondary navigation bar with links for Info Center, Flat-Rate Program, e-Tag, Part Repair Facilities, Refurbished Subassembly Program, ASCR, and Product Advisories. The main content area is titled 'Part Repair Facilities'. On the left, under 'Authorized Parts Repair Facilities (APRF's)', there is a paragraph about the program and a 'Contacts' section listing 'Nation-Wide Repair Service' and 'Hytec Dealer Services'. On the right, under 'Repairable Parts List', there is a list of links for various product categories: Accessories, Copiers, Facsimile, Scanner Series, and Available Search Feature For Repair Lists. A red circle is drawn around this 'Repairable Parts List' section, with a red arrow pointing to it from the right.

Part Repair Facilities

Authorized Parts Repair Facilities (APRF's)

For over 20 yrs the APRF's have been repairing printed circuit boards for Canon. All parts repaired by the APRF's are updated to the latest version. Each part is live tested in equipment prior to it being shipped out, and is covered by the APRF's workmanship for 1 year. Parts should be properly packaged to prevent damage in shipping. For additional details about the APRF's, visit their web site by clicking on the links below.

Contacts:

Nation-Wide Repair Service
 16151 Foster Street
 Overland Park, KS 66085
 Customer Service: **866-655-8676**
 Fax Number: **913-631-8372**
 Technical Support: **800-798-1814**

Hytec Dealer Services
 3600 Vineland Rd Suite 121
 Orlando, FL 32811
 Customer Service: **888-883-1001**
 Phone Number: **407-297-1001**
 Fax Number: **407-297-4310**
 Technical Support: **888-883-2001**

Repairable Parts List

- Accessories - 06/22/12 (PDF: 55KB)
- Copiers - 07/31/12 (PDF: 67KB)
- Facsimile - 12/11/09 (PDF: 21KB)
- Scanner Series - 06/22/12 (PDF: 29KB)
- Available Search Feature For Repair Lists - 07/25/06 (PDF: 103KB)

Some of the services offered by APRF's:

- Advance Exchange Program: Is designed to help your dealership's reduce service cost and to acquire a repaired part quickly. The program allows dealers to secure a printed circuit board (PCB) prior to sending their defective PCB in for repair. For additional details on this program, please contact the APRF's.
- On-Line Ordering: This service allows you to order a repair circuit board and check the status of a repair part on-line. For additional details on this program, please contact the APRF's.

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:

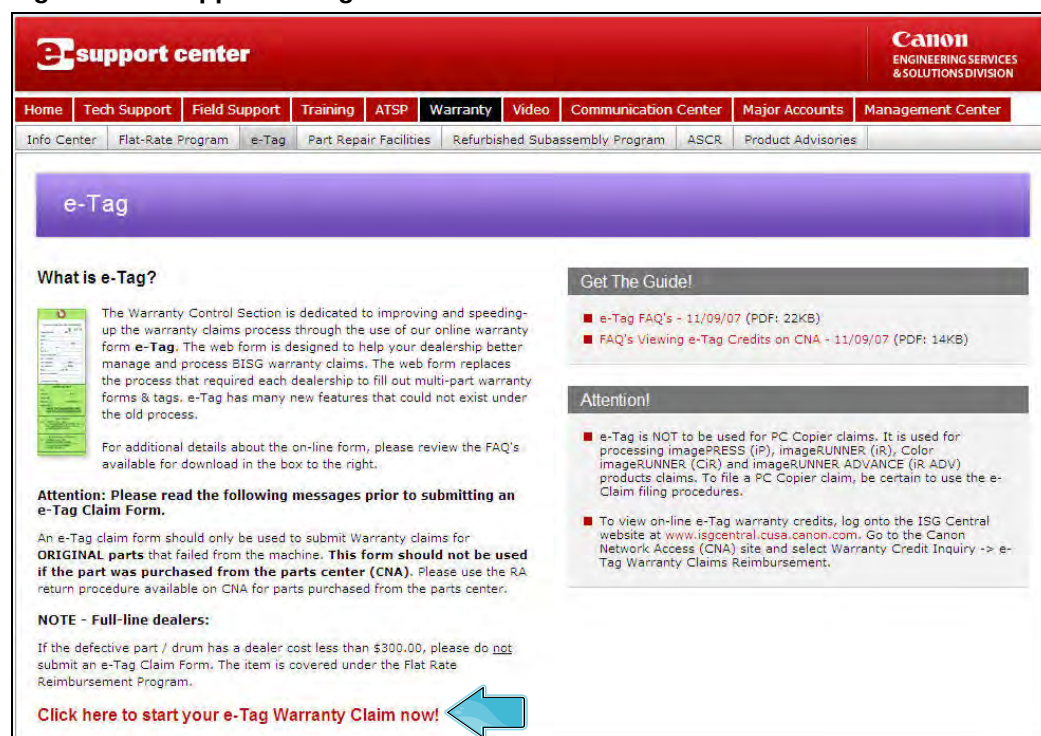
- Dealer Name
- Machine's Installation Date
- Machine's Serial Number
- Part Number
- Work Performed (Highlight Current Service Call)
- Part Description
- Date Part Was Removed
- Machine Copy Count
- Reason for Removal

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

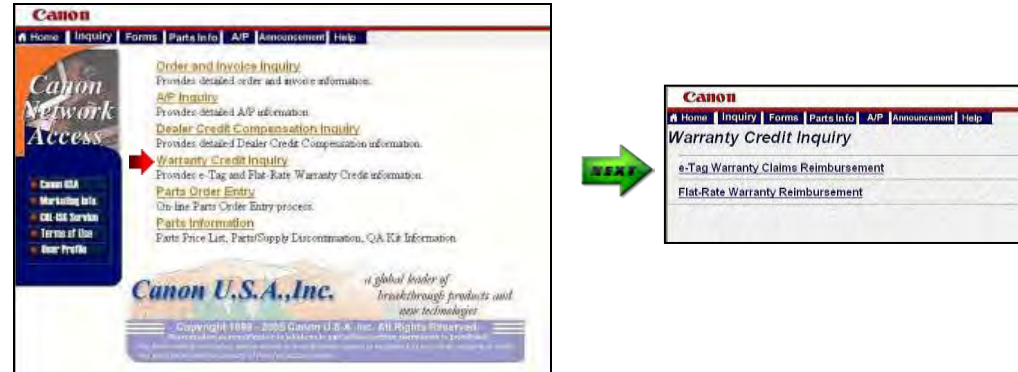


Figure 11 – CNA: e-Tag Warranty Claims Search



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

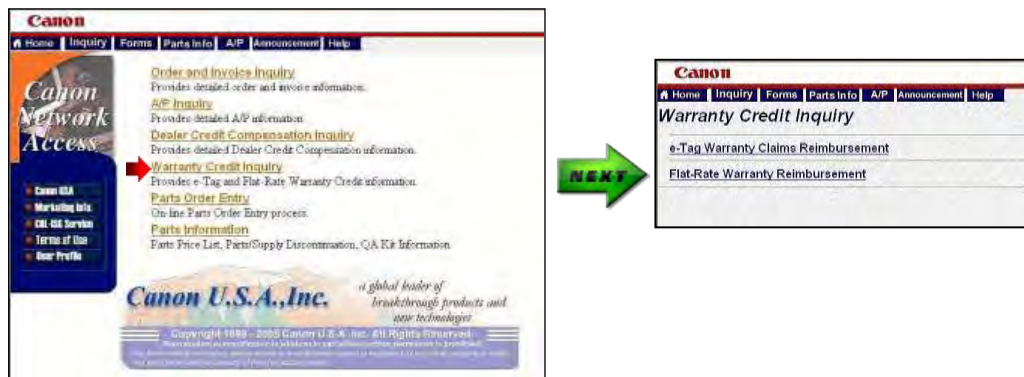
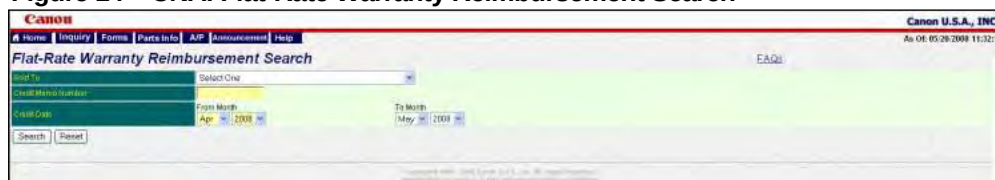


Figure 14 – CNA: Flat-Rate Warranty Reimbursement Search



XI. Product Technical Support Offerings

A. Dealer Support Requirements

imageRUNNER ADVANCE 8200 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.

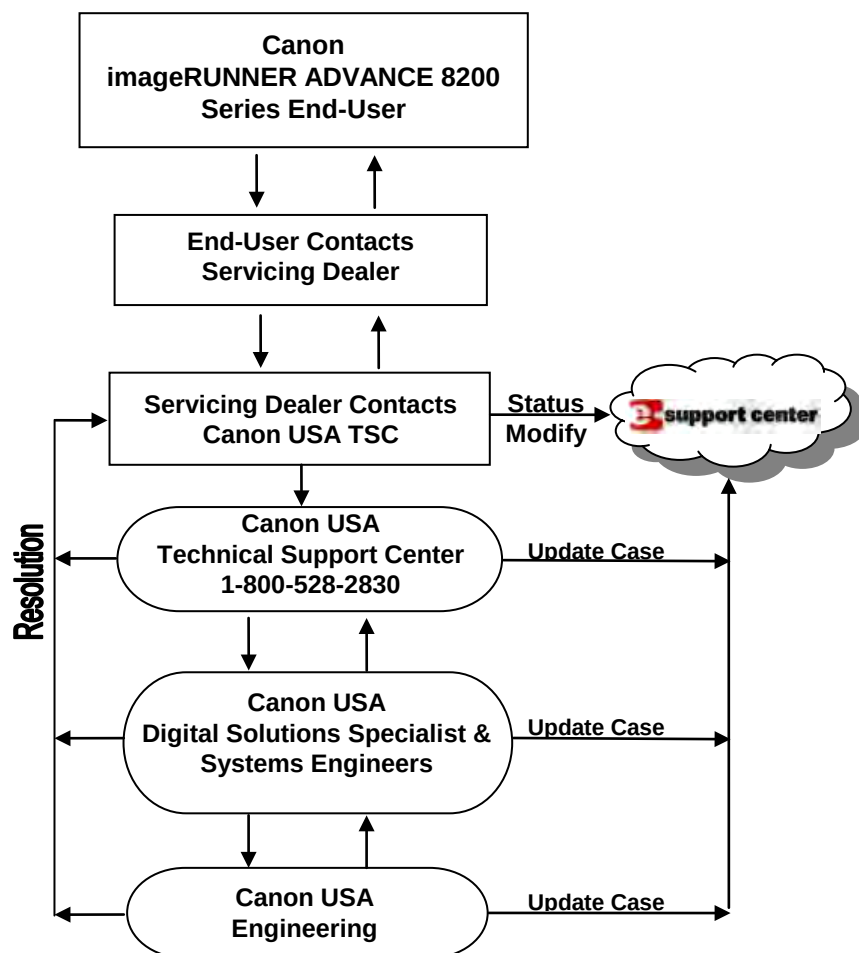
1. Canon USA Technical Support Center

Canon USA provides a time-sensitive call escalation process for all authorized imageRUNNER ADVANCE 8200 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 32 – Canon USA Support Escalation Flow Chart



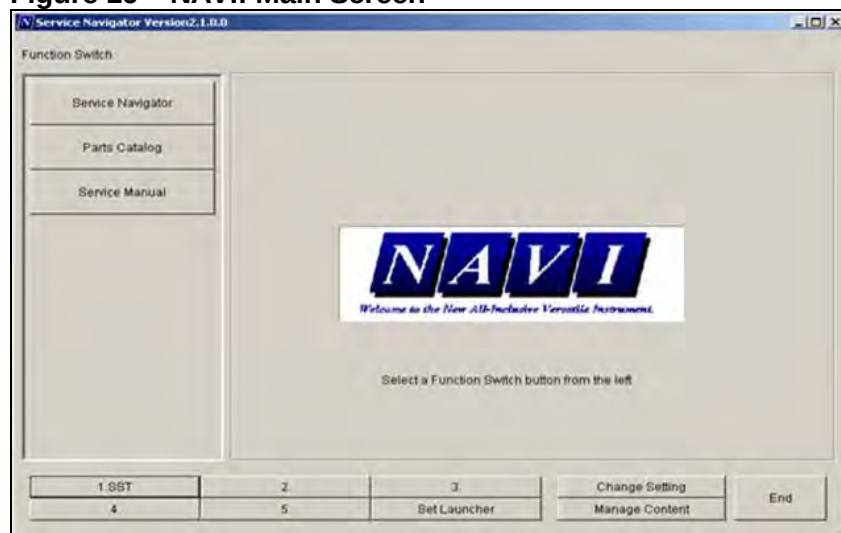
2. NAVI

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.
- Provides access to Knowledge PAKS (on the e-Support Web site), which enables you to download offline technical reference documents. See [Figure 17 – e-Support: Knowledge PAKS](#).

Figure 17 – e-Support: Knowledge PAKS

Downloadable Knowledgebase

Now you can take the e-Support Knowledgebase with you into the field! Canon is making the Knowledgebase available off-line in easy to download Knowledge PAKS. Just choose from your available* Knowledge PAKS selections from the list below and click to download. It's that easy!

* Based on Dealer Service Authorization

ATTENTION: Effective 10/22/2012 the Downloadable Knowledgebase will be discontinued and no additional PAK updates will be uploaded to e-Support. All future efforts will be directed at delivering a smartphone/tablet optimized KB experience for the Technician community. Thank you for your support!

Name	Standalone	NAVI	Date
C Series	■ CHM (7 MB)	■ NAVI (37 MB)	12/07/11
CLC Series	■ CHM (37 MB)	■ NAVI (37 MB)	04/17/12
ColorPASS Series	■ CHM (15 MB)	■ NAVI (15 MB)	10/22/12
Facsimile Series	■ CHM (19 MB)	■ NAVI (19 MB)	10/22/12
GP Series	■ CHM (21 MB)	■ NAVI (21 MB)	03/04/11
Image Filing Systems Series	■ CHM (28 MB)	■ NAVI (28 MB)	10/22/12
imageCLASS Series	■ CHM (4.3 MB)	■ NAVI (4.3 MB)	10/22/12
imagePASS Series	■ CHM (22 MB)	■ NAVI (22 MB)	10/22/12
imagePRESS Color Series	■ CHM (176MB)	■ NAVI (176MB)	10/22/12
imageRUNNER Series (B&W) Low/Segment 1-3	■ CHM (225MB)	■ NAVI (225MB)	10/22/12
imageRUNNER Series (B&W) Mid/Segment 4-5	■ CHM (362MB)	■ NAVI (362MB)	10/22/12
imageRUNNER Series (B&W) High/Segment 6	■ CHM (58 MB)	■ NAVI (58 MB)	10/22/12
imageRUNNER Color Series	■ CHM (219MB)	■ NAVI (219MB)	10/22/12
NP Series	■ CHM (13 MB)	■ NAVI (13 MB)	10/22/12
Scanners Series	■ CHM (76 MB)	■ NAVI (76 MB)	10/22/12
Software Products Series	■ CHM (21 MB)	■ NAVI (21 MB)	10/22/12
Large Format Series	■ CHM (25 MB)	■ NAVI (25 MB)	10/22/12
imageRUNNER ADVANCE Color Series	■ CHM (244MB)	■ NAVI (244MB)	10/22/12
imageRUNNER ADVANCE B&W Series	■ CHM (83 MB)	■ NAVI (83 MB)	10/22/12
imageRUNNER LBP Series	■ CHM (12 MB)	■ NAVI (12 MB)	10/22/12
imagePRESS B&W Series	■ CHM (43 MB)	■ NAVI (43 MB)	10/22/12

How To Install

The Knowledge PAKS will be downloaded in Windows CHM format, the same type of file used by the Windows Help system. To use each Knowledge PAK, simply double-click on the downloaded file. Once the Help application starts, you can browse or search for all KB articles related to the product PAK you downloaded.

NAVI KnowledgePAKS Installation Procedure

FAQ

If you are having problems installing or using the Knowledge PAK's, read our FAQ below for help.

- Error message when opening a Knowledge PAK
- Why can't I see attachments in the Knowledge PAK?
- How do I get updates?
- How will I know that a new update is available?
- What is the difference between a Standalone and NAVI version?
- How do I use KnowledgePAK's with NAVI?

Mobile Knowledgebase

Now you can take the e-Support Knowledgebase with you into the field using your wireless mobile device!

[Click here for more details.](#)

c. Getting Started with NAVI

i. 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.

ii. 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.

iii. 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.

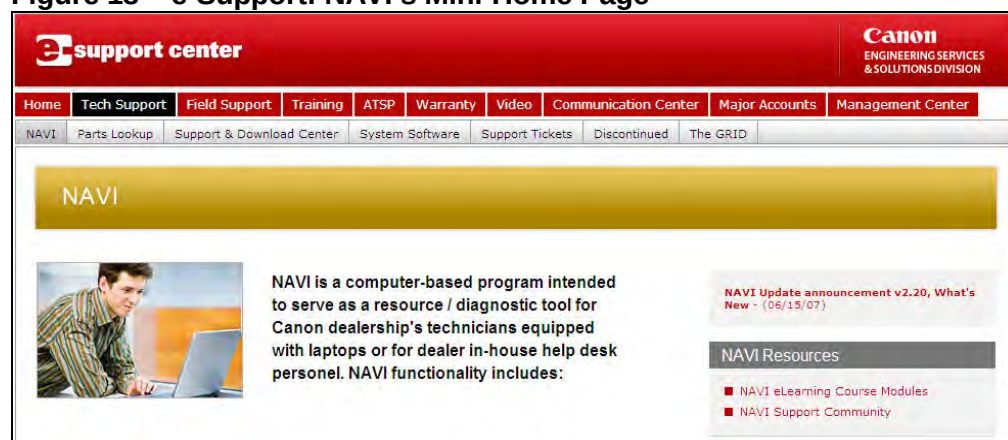
d. Updates

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 18 – 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 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 19 – 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 20 – ISG Central: Login Screen

Canon ISG CENTRAL

Welcome to Canon ISG Central - Your Resource for Accessing the Imaging Systems Group Extranets!

The ISG Central website enables you to log into all of the ISG web resources with a single UserID and Password. In addition, we will be posting information about product updates, site revisions, and Canon events on the ISG Central page, all with the goal of keeping you up to date with the most recent ISG information.

ISG Central Login **Assistance**

Please enter your UserID and Password to gain access to ISG Central.

UserID:

Password:

(Reminder: Your Password is Case Sensitive)

[Forgot Password / Reset Password](#)

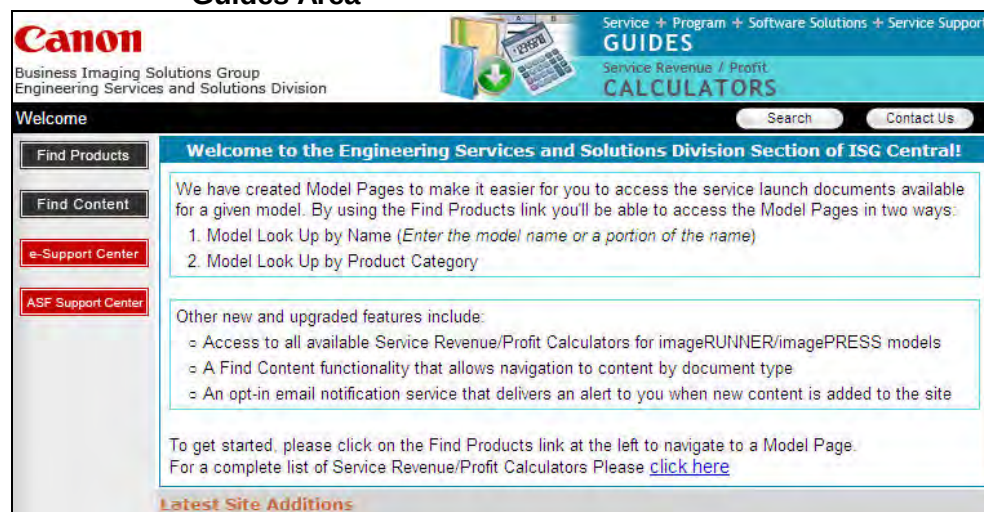
Having difficulty logging in, please read [Login Issues / Contact Us](#)

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

Figure 21 – ISG Central: Engineering Services & Solutions Web Page



Figure 22 – ISG Central: Engineering Services and Solutions Service Guides Area



XII. Appendix

A. Specifications

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

Table 33 – imageRUNNER ADVANCE 8200 Series Main Unit Specifications

Item		Specifications		
		imageRUNNER ADVANCE		
		8205	8295	8285
Type		Reader-Printer Separated, Console		
Reproduction Method		Laser Dry Electrostatic Transfer		
Developing System		Dry Single Component Toner Projection System		
Fixing System		Induction Heating Technology		
Printer Memory	Standard	1.5 GB RAM		
	Maximum	2 GB RAM		
Hard Disk Drive	Standard	160 GB		
	Maximum	1 TB		
First Copy Output Time (LTR)		Up to 2.7 seconds		
Warm Up Time (at a room temp. of 68°F (20°C))	From Power ON	Up to 1 minute		
	From Sleep Mode	Up to 1 minute		
	From Quick Startup Mode	Up to 7 seconds ⁶¹		
Resolution for Writing		Up to 1,200 dpi x 1,200 dpi		
Halftone		256 Gradations		
Paper Sizes	Paper Drawers 1/2	LTR		
	Paper Drawers 3/4	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (5 1/2" x 7 1/8" to 13" x 19 1/4" (140 mm x 182 mm to 330.2 mm x 487.7 mm))		
	Multi-Purpose Tray	With Staple Finisher-Q1 PRO/Booklet Finisher-Q1 PRO Attached: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (4" x 7 1/8" ⁶² to 13" x 19 1/4" (100 mm x 182 mm to 330.2 mm x 487.7 mm)) With Staple Finisher-N1/Booklet Finisher-N1 Attached: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and 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))		

⁶¹ Up to 10 seconds if the optional 2.5 inch/1 TB HDD-K1 is installed.

⁶² Do not feed paper whose parallel length to the feeding direction is less than 7 1/8" (182 mm) into the multi-purpose tray.

Table 33 – imageRUNNER ADVANCE 8200 Series Main Unit Specifications
Continued

Item		Specifications		
		imageRUNNER ADVANCE		
		8205	8295	8285
Paper Weight/Type	Paper Drawers 1/2	Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Color, Recycled, Pre-Punched, Bond, and Letterhead		
	Paper Drawers 3/4	Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Color, Recycled, Pre-Punched, Tab, Bond, and Letterhead		
	Multi-Purpose Tray	Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m ²)), Color, Recycled, Pre-Punched, Transparency, Tracing, Bond, Labels, and Letterhead		
Paper Capacity	Paper Drawers 1/2	Approximately 1,500 sheets x 2 paper decks (20 lb bond (80 g/m ²)) Approximately 1,700 sheets x 2 paper decks (17 lb bond (64 g/m ²))		
	Paper Drawers 3/4	Approximately 550 sheets x 2 cassettes (20 lb bond (80 g/m ²)) Approximately 680 sheets x 2 cassettes (17 lb bond (64 g/m ²))		
	Multi-Purpose Tray	Approximately 100 sheets (17 to 20 lb bond (64 to 80 g/m ²))		
Copy Speed ⁶³ (Except When Paper Is Fed from the Multi-Purpose Tray) (Sheets/Minute)	13" x 19"	47	43	38
	12 5/8" x 17 11/16"	50	46	41
	12" x 18"	50	45	40
	11" x 17"	53	49	43
	LGL	64	60	57
	LTR	105	95	85
	LTRR	81	73	67
	EXEC	105	95	85
	STMTR	105	95	85
Margin		Top: 1/8" (2.5 mm) Left/Right: 1/8" (2.5 mm) Bottom: 1/8" (2.5 mm)		
Multiple Copies		1 to 9,999 sheets		
Noise	During Standby	Up to 58 dB		
	While B&W Copying/Printing	Up to 75 dB		
Power Requirements		120 to 127 V AC, 60 Hz, 16 A		
Plug		NEMA 5-20		
Power Consumption	Maximum	Approximately 1.92 kW		
	In the Sleep Mode	Approximately 0.9 W		
	In the Energy Saver Mode	Approximately 240 W (When '-10%' is selected.)		
	In the Quick Startup Settings for Main Power Mode	Approximately 0.45 W		

63 The copy speed may vary, depending on the original content and combination of settings. To give priority to the copy speed, select "Text" for the Original Type setting.

Table 33 – imageRUNNER ADVANCE 8200 Series Main Unit Specifications
Continued

Item		Specifications		
		imageRUNNER ADVANCE		
		8205	8295	8285
Dimensions (H x W x D)	To the Platen Glass	41" x 25 3/8" x 30 3/8" (1,040 mm x 645 mm x 770 mm)		
	With Duplex Color Image Reader	With Upright Control Panel: 49 1/4" ⁶⁴ x 53 3/8" ⁶⁵ x 30 3/8" (1,252 mm x 1,481 mm x 770 mm) Without Upright Control Panel: 48" x 25 3/8" x 30 3/8" (1,220 mm x 645 mm x 770 mm)		
Weight	Including Toner Bottle, Duplex Color Image Reader, and Upright Control Panel	Approximately 535 lb (242.5 kg)		
	Including Toner Bottle and Duplex Color Image Reader	Approximately 526 lb (238.5 kg)		
Installation Space (W x D)		With Upright Control Panel, Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO attached, and the Multi-purpose tray and auxiliary tray extended: 100 1/4" ⁶⁵ x 31 7/8" (2,546 mm x 810 mm)		
		Without Upright Control Panel: 79" x 31 7/8" (2,007 mm x 810 mm)		

⁶⁴ The height is measured to the top of the upright control panel in the standard position.

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

Table 34 – Duplex Color Image Reader Unit-G1

The Duplex Color Image Reader Unit-G1 is standard equipment on the imageRUNNER ADVANCE 8205 and 8295, and optional for the imageRUNNER ADVANCE 8285.

Item			Specifications	
Reading Resolution			Up to 600 x 600 dpi	
Acceptable Originals			Sheet, book, three-dimensional objects (up to 4 lb (2 kg))	
Magnification	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)		
Size and Weight of Originals	Size	11" x 17", LGL, LTR, LTRR, STMT, and STMTR		
	Weight	1-sided scanning: 13 lb bond to 80 lb cover (50 to 220 g/m ²) 2-sided scanning 13 lb bond to 80 lb cover (50 to 220 g/m ²) (B&W Original) 17 lb bond to 80 lb cover (64 to 220 g/m ²) (Color Original)		
Original Tray Capacity			Up to 300 sheets (20 lb bond (80 g/m ²))	
Original Scanning Speed (LTR, Sheets/Minute) ¹	Copying	Simplex	B&W at 600 dpi:	Approximately 120
		Duplex	B&W at 600 dpi:	Approximately 60
	Scanning	Simplex	B&W at 300 dpi: Full Color at 300 dpi: Full Color at 600 dpi:	Approximately 120 Approximately 85 Approximately 51
		Duplex	B&W at 300 dpi: Full Color at 300 dpi: Full Color at 600 dpi:	Approximately 100 Approximately 50 Approximately 25.5
Power Source			From the main unit.	
Power Consumption (Feeder and Reader)			Approximately 185W	
Dimensions (H x W x D)			10" x 25" x 23 7/8" (253 mm x 635 mm x 605 mm)	
Weight			Approximately 87.1 lb (39.5 kg)	

¹ The scanning speed may vary, depending on the scanning mode and original type.

Table 35 – POD Deck Lite-A1 (Optional) Specifications

Item	Specifications
Paper Sizes	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR
Paper Weight	14 lb bond to 140 lb index (52 to 256 g/m ²)
Paper Deck Capacity	3,500 sheets (20 lb bond (80 g/m ²))
Power Source	120 to 127 V AC, 60 Hz, 5 A
Maximum Power Consumption	Approximately 227 W
Dimensions (H x W x D)	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 (W x D) Including the Main Unit	With Upright Control Panel, Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO attached, and the Multi-purpose tray and auxiliary tray extended: 100 1/4" ⁶⁵ x 31 7/8" (2,546 mm x 810 mm) Without Upright Control Panel: 91 1/4" x 31 7/8" (2,316 mm x 810 mm)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

Table 36 – Paper Deck Unit-C1 (Optional) Specifications

Item	Specifications
Paper Sizes	LTR
Paper Weight	14 lb bond to 80 lb cover (52 to 220 g/m ²)
Paper Deck Capacity	3,500 sheets (20 lb bond (80 g/m ²))
Power Source	From the Main Unit
Maximum Power Consumption	Approximately 39 W
Dimensions (H x W x D)	22 1/2" x 12 3/4" x 23" (570 mm x 323 mm x 583 mm)
Weight	Approximately 81.6 lb (37 kg)
Installation Space (W x D) Including the Main Unit	With Upright Control Panel, Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO attached, and the Multi-purpose tray and auxiliary tray extended: 100 1/4" ⁶⁵ x 31 7/8" (2,546 mm x 810 mm) Without Upright Control Panel: 80 1/4" x 31 7/8" (2,038 mm x 810 mm)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

Table 37 – Document Insertion Unit-K1 (Optional) Specifications

Item	Specifications
Paper Sizes	LTR
Paper Weight	14 lb bond to 140 lb index (52 to 256 g/m ²)
Paper Type	Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m ²)), Color, Recycled, Pre-Punched, Tracing, Tab, Bond, Coated ⁶⁶ , and Letterhead
Capacity (Upper and Lower Trays)	200 sheets (20 lb bond (80 g/m ²))
Power Source	100 to 240 V AC, 50/60 Hz, 1.0 A
Maximum Power Consumption	If the Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO is attached: Approximately 128 W If the Staple Finisher-N1 or Booklet Finisher-N1 is attached: Approximately 117 W
Dimensions (H x W x D)	55 3/8" x 29 3/8" x 31 1/4" (1,407 mm x 746 mm x 793 mm)
Weight	Approximately 134 lb (61 kg)
Installation Space (W x D) Including the Main Unit	With Upright Control Panel, Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO attached, and the Multi-purpose tray and auxiliary tray extended: 113 5/8" ⁶⁵ x 32 1/8" (2,887 mm x 817 mm) Without Upright Control Panel: 92 1/4" x 32 1/8" (2,343 mm x 817 mm)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 38 – Paper Folding Unit-H1 (Optional) Specifications

Item		Specifications
Paper Sizes	Z-Fold	11" x 17", LGL, and LTRR
	C-Fold	LTRR
	Accordion Z-Fold	LTRR
	Double Parallel Fold	LGL and LTRR
	Half Fold	LTRR
Paper Weight		Z-Fold, C-Fold, Accordion Z-Fold, and Half Fold: 14 to 28 lb bond (52 to 105 g/m ²) ⁶⁷ Double Parallel Fold: 14 to 24 lb bond (52 to 90 g/m ²)
Paper Type		Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Color, Recycled, Bond, and Coated ⁶⁶
Capacity (Upper and Lower Trays)		200 sheets (20 lb bond (80 g/m ²))
Power Source		From the Finisher
Maximum Power Consumption		Approximately 165 W
Dimensions (H x W x D)		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 (W x D) Including the Main Unit		With Upright Control Panel, Staple Finisher-Q1 PRO or Booklet Finisher-Q1 PRO attached, and the Multi-purpose tray and auxiliary tray extended: 113 5/8" ⁶⁵ x 32 1/8" (2,887 mm x 817 mm) Without Upright Control Panel: 92 1/4" x 32 1/8" (2,343 mm x 817 mm)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

⁶⁷ Select Plain paper if using 25 to 28 lb bond (91 to 105 g/m²) paper.

Table 39 – Staple Finisher-N1 (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Same as the paper size, weight, and type for the Main Unit.
Capacity Per Tray	No Finishing Modes Set Tray A: LTR, EXEC, STMTR: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Tray B: LTR, EXEC, STMTR: 250 sheets (or 1 1/4" (32 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 5/8" (16 mm) in height) 13" x 19", 12 5/8" x 17 11/16", 12" x 18": 30 sheets Tray C: LTR: 2,500 sheets (or 12 3/4" (325 mm) in height)⁶⁸ EXEC, STMTR: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Collate + Group Modes Set Tray A and C: LTR and EXEC: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Staple Mode Set Tray A and C: LTR and EXEC: 1,500 sheets/100 sets (or 7 3/4" (195 mm) in height)⁶⁸ 11" x 17", LGL, LTRR: 750 sheets/50 sets (or 3 7/8" (97 mm) in height) No Finishing Modes Set with Different Paper Sizes Tray A: 750 sheets (or 3 7/8" (97 mm) in height) Tray B: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR: 125 sheets (or 5/8" (16 mm) in height)⁶⁹ Tray C: 750 sheets (or 3 7/8" (97 mm) in height) Collate, Group, Staple Mode with Different Paper Sizes Tray A and C: 750 sheets (or 3 7/8" (97 mm) in height) Z-Fold Mode When the Paper Folding Unit-H1 Is Attached Tray A and C: 11" x 17": 30 sheets LGL, LTR: 10 sheets Tray B: 11" x 17", LGL, LTRR: 10 sheets Half-Fold Mode When the Paper Folding Unit-H1 Is Attached Tray A, B and C: LTRR: 10 sheets

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

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

Table 39 – Staple Finisher-N1 (Optional) Specifications Continued

Item	Specifications
Maximum Stapling Capacity/Available Staple Size ⁷⁰	Standard Staple Cartridge Is Attached: LTR and EXEC: 100 sheets (20 lb bond (80 g/m²)) or less than 1/2" (11 mm) in height 98 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) 11" x 17", LGL, and LTRR: 50 sheets (20 lb bond (80 g/m²)) or less than 1/4" (5.5 mm) in height 48 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) Corner Staple and Double Staple: 11" x 17", LGL, LTR, LTRR, and EXEC Staple Cartridge-H1 Is Attached: 11" x 17", LGL, LTR, LTRR, EXEC: 50 sheets (20 lb bond (80 g/m²)) or less than 1/4" (5.5 mm) in height 48 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) Corner Staple and Double Staple: 11" x 17", LGL, LTR, LTRR, and EXEC
Power Source	100 to 240 V AC, 50/60 Hz, 2.8 A
Maximum Power Consumption	With Puncher Unit-BF1: Approximately 286 W Without Puncher Unit-BF1: Approximately 282 W
Dimensions (H x W x D)	41" x 25 3/4" (30 3/4") ⁷¹ x 30 1/8" (1,040 mm x 654 mm (782 mm) ⁷¹ x 765 mm)
Weight	Approximately 141 lb (64 kg)
Installation Space (W x D) Including the Main Unit	With the Upright Control Panel: 89 1/4"⁶⁵ x 30 3/8" (2,268 mm x 789 mm) (When the multi-purpose tray and auxiliary tray are extended) Without the Upright Control Panel: 68 1/8" x 30 3/8" (1,729 mm x 789 mm) (When the multi-purpose tray and auxiliary tray are extended)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

⁷⁰ The maximum stapling capacity may vary, depending on the paper type and weight.

⁷¹ When the auxiliary tray is extended.

Table 40 – Booklet Finisher-N1 (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Same as the paper size, weight, and type for the Main Unit.
Capacity Per Tray	No Finishing Modes Set Tray A: LTR, EXEC, STMTR: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Tray B: LTR, EXEC, STMTR: 250 sheets (or 1 1/4" (32 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 5/8" (16 mm) in height) 13" x 19", 12 5/8" x 17 11/16", 12" x 18": 30 sheets Tray C: LTR: 2,500 sheets (or 12 3/4" (325 mm) in height)⁶⁸ EXEC, STMTR: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Collate + Group Modes Set Tray A and C: LTR and EXEC: 1,500 sheets (or 7 3/4" (195 mm) in height)⁶⁸ 11" x 17", LGL, LTRR: 750 sheets (or 3 7/8" (97 mm) in height) Staple Mode Set Tray A and C: LTR and EXEC: 1,500 sheets/100 sets (or 7 3/4" (195 mm) in height)⁶⁸ 11" x 17", LGL, LTRR: 750 sheets/50 sets (or 3 7/8" (97 mm) in height) No Finishing Modes Set with Different Paper Sizes Tray A: 750 sheets (or 3 7/8" (97 mm) in height) Tray B: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR: 125 sheets (or 5/8" (16 mm) in height)⁶⁹ Tray C: 750 sheets (or 3 7/8" (97 mm) in height) Collate, Group, Staple Mode with Different Paper Sizes Tray A and C: 750 sheets (or 3 7/8" (97 mm) in height) Z-Fold Mode When the Paper Folding Unit-H1 Is Attached Tray A and C: 11" x 17": 30 sheets LGL, LTR: 10 sheets Tray B: 11" x 17", LGL, LTRR: 10 sheets Half-Fold Mode When the Paper Folding Unit-H1 Is Attached Tray A, B and C: LTRR: 10 sheets 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

⁶⁸ Up to 750 sheets (or 3 7/8" (97 mm) in height) when thin or custom paper (lighter than 16 lb bond (59 g/m²)) is selected.

⁶⁹ Up to 30 sheets when printing on the following mixed paper sizes: 13" x 19", 12 5/8" x 17 11/16", and 12" x 18".

Table 40 – Booklet Finisher-N1 (Optional) Specifications Continued

Item	Specifications
Maximum Stapling Capacity/Available Staple Size ⁷⁰	LTR and EXEC: 100 sheets (20 lb bond (80 g/m²)) or less than 1/2" (11 mm) in height 98 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) 11" x 17", LGL, and LTRR: 50 sheets (20 lb bond (80 g/m²)) or less than 1/4" (5.5 mm) in height 48 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) Corner Staple and Double Staple: 11" x 17", LGL, LTR, LTRR, and EXEC
Available Saddle Stitch Capacity/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 279.3 mm to 330.2 mm x 487.7 mm)): 20 sheets (20 lb bond (80 g/m²)) including 1 cover sheet up to 140 lb index (256 g/m²) Saddle Fold: 5 sheets (20 lb bond (80 g/m²))
Power Source	100 to 240 V AC, 50/60 Hz, 2.8 A
Maximum Power Consumption	With Puncher Unit-BF1 and Inner Booklet Trimmer-A1: Approximately 380 W Without Puncher Unit-BF1 and Inner Booklet Trimmer-A1: Approximately 349 W
Dimensions (H x W x D)	41" x 30 1/4" (35 1/4") ⁷¹ x 30 1/8" (1,040 mm x 767 mm (896 mm) ⁷¹ x 765 mm)
Weight	Approximately 243 lb (110 kg)
Installation Space Including the Main Unit (W x D)	With the Upright Control Panel: 93 3/4"⁶⁵ x 30 3/8" (2,382 mm x 789 mm) (When the multi-purpose tray and auxiliary tray are extended) Without the Upright Control Panel: 72 5/8" x 30 3/8" (1,843 mm x 789 mm) (When the multi-purpose tray and auxiliary tray are extended)

65 The width is measured to the right edge of the upright control panel in the extended position.

70 The maximum stapling capacity may vary, depending on the paper type and weight.

71 When the auxiliary tray is extended.

Table 41 – Staple Finisher-Q1 PRO (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Size: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (4" x 7 1/8"⁶² to 13" x 19 1/4" (100 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type: Thin (14 to 16 lb bond (52 g/m² to 63 g/m²)), Plain (17 to 24 lb bond (64 g/m² to 90 g/m²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m²)), Color, Recycled, Pre-Punched, Transparency, Tracing, Bond, Labels, Tab, Coated⁶⁶, and Letterhead

⁶² Do not feed paper whose parallel length to the feeding direction is less than 7 1/8" (182 mm) into the multi-purpose tray.

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications Continued

Item	Specifications
Capacity Per Tray ⁷²	No Finishing Modes Set
	Tray A: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC, STMTR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Tray B (If the High Volume Stack Mode Is Set to 'On') ⁷³ : LTR, EXEC: 4,000 sheets (or 19 1/4" (490 mm) in height)
	LTRR: 2,000 sheets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height)
	(If the High Volume Stack Mode Is Set to 'Off'): LTR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Staple Mode Set
	Tray B: LTR and EXEC: 3,000 sheets/200 sets (or 16 5/8" (423 mm) in height)
	LTRR: 2,000 sheets/200 sets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets/200 sets (or 8 1/2" (216 mm) in height)
	No Finishing Modes Set with Different Paper Sizes
	Tray A: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Tray B (If the High Volume Stack Mode Is Set to 'On') ⁷⁵ : LTR, EXEC: 4,000 sheets (or 19 1/4" (490 mm) in height)
	LTRR: 2,000 sheets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height)
	(If the High Volume Stack Mode Is Set to 'Off'): LTR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Z-Fold Mode When the Paper Folding Unit-H1 Is Attached
	Tray A and B: 10 to 30 sheets/1 set
	Half-Fold Mode When the Paper Folding Unit-H1 Is Attached
	Tray A: 50 sheets

72 If stacking more than 2,000 sheets of LTR paper, assign the output to go to Tray B first, and then Tray A.

73 The maximum stack volume may vary, depending on the paper type.

Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications Continued

Item	Specifications
Maximum Stapling Capacity/Available Staple Size ⁷⁰	LTR and EXEC: 100 sheets (20 lb bond (80 g/m²)) or less than 1/2" (11 mm) in height 98 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) 11" x 17", LGL, and LTRR: 50 sheets (20 lb bond (80 g/m²)) or less than 1/4" (5.5 mm) in height 48 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) Corner Staple and Double Staple: 11" x 17", LGL, LTR, LTRR, and EXEC
Power Source	120 V AC, 60 Hz, 8 A
Maximum Power Consumption	Approximately 500 W
Dimensions (H x W x D)	48 3/4" x 31 1/2" x 31 1/4" (1,239 mm x 800 mm x 792 mm)
Weight	Approximately 401 lb (182 kg)
Installation Space Including the Main Unit (W x D)	With the Upright Control Panel: 100 1/4"⁶⁵ x 31 7/8" (2,546 mm x 810 mm) (When the multi-purpose tray and auxiliary tray are extended) Without the Upright Control Panel: 79" x 31 7/8" (2,007 mm x 810 mm) (When the multi-purpose tray and auxiliary tray are extended)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

⁷⁰ The maximum stapling capacity may vary, depending on the paper type and weight.

Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Size: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, STMTR, EXEC, and Custom Size (4" x 7 1/8"⁶² to 13" x 19 1/4" (100 mm x 182 mm to 330.2 mm x 487.7 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type: Thin (14 to 16 lb bond (52 g/m² to 63 g/m²)), Plain (17 to 24 lb bond (64 g/m² to 90 g/m²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m²)), Color, Recycled, Pre-Punched, Transparency, Tracing, Bond, Labels, Tab, Coated⁶⁶, and Letterhead

⁶² Do not feed paper whose parallel length to the feeding direction is less than 7 1/8" (182 mm) into the multi-purpose tray.

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications Continued

Item	Specifications
Capacity Per Tray ⁷⁴	No Finishing Modes Set
	Tray A: 13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTR, LTRR, EXEC, STMTR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Tray B (If the High Volume Stack Mode Is Set to 'On') ⁷⁵ : LTR, EXEC: 4,000 sheets (or 19 1/4" (490 mm) in height)
	LTRR: 2,000 sheets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height)
	(If the High Volume Stack Mode Is Set to 'Off'): LTR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Staple Mode Set
	Tray B: LTR and EXEC: 3,000 sheets/200 sets (or 16 5/8" (423 mm) in height)
	LTRR: 2,000 sheets/200 sets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets/200 sets (or 8 1/2" (216 mm) in height)
	No Finishing Modes Set with Different Paper Sizes
	Tray A: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Tray B (If the High Volume Stack Mode Is Set to 'On') ⁷⁵ : LTR, EXEC: 4,000 sheets (or 19 1/4" (490 mm) in height)
	LTRR: 2,000 sheets (or 11 1/4" (285 mm) in height)
	11" x 17", LGL: 1,500 sheets (or 8 1/2" (216 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18": 1,000 sheets (or 5 3/4" (147 mm) in height)
	(If the High Volume Stack Mode Is Set to 'Off'): LTR, EXEC: 2,000 sheets (or 11 1/4" (285 mm) in height)
	13" x 19", 12 5/8" x 17 11/16", 12" x 18", 11" x 17", LGL, LTRR: 1,000 sheets (or 5 3/4" (147 mm) in height)
	Z-Fold Mode When the Paper Folding Unit-H1 Is Attached
	Tray A and B: 10 to 30 sheets/1 set
	Half-Fold Mode When the Paper Folding Unit-H1 Is Attached
	Tray A: 50 sheets

74 If stacking more than 2,000 sheets of LTR paper, assign the output to go to Tray B first, and then Tray A.

75 The maximum stack volume may vary, depending on the paper type.

Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications Continued

Item	Specifications
Maximum Stapling Capacity/Available Staple Size ⁷⁰	LTR and EXEC: 100 sheets (20 lb bond (80 g/m²)) or less than 1/2" (11 mm) in height 98 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) 11" x 17", LGL, and LTRR: 50 sheets (20 lb bond (80 g/m²)) or less than 1/4" (5.5 mm) in height 48 sheets (20 lb bond (80 g/m²)) and 2 sheets (110 lb cover (256 g/m²)) Corner Staple and Double Staple: 11" x 17", LGL, LTR, LTRR, and EXEC
Available Saddle Stitch Capacity/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 279.3 mm to 330.2 mm x 487.7 mm)): 25 sheets (20 lb bond (80 g/m²)) including 1 cover sheet up to 140 lb index (256 g/m²) Saddle Fold: 5 sheets (20 lb bond (80 g/m²))
Power Source	120 V AC, 60 Hz, 8 A
Maximum Power Consumption	Approximately 500 W
Dimensions (H x W x D)	48 3/4" x 31 1/2" x 31 1/4" (1,239 mm x 800 mm x 792 mm)
Weight	Approximately 401 lb (182 kg)
Installation Space Including the Main Unit (W x D)	With the Upright Control Panel: 100 1/4"⁶⁵ x 31 7/8" (2,546 mm x 810 mm) (When the multi-purpose tray and auxiliary tray are extended) Without the Upright Control Panel: 79" x 31 7/8" (2,007 mm x 810 mm) (When the multi-purpose tray and auxiliary tray are extended)

⁶⁵ The width is measured to the right edge of the upright control panel in the extended position.

⁷⁰ The maximum stapling capacity may vary, depending on the paper type and weight.

Table 43 – Booklet Trimmer-D1 (Optional) Specifications

Item	Specifications
Description	Upper knife reciprocating, fore-edge trimmer with delivery tray
Trim Amount	0.08" to 0.78" (2 mm to 20 mm)
Trim Thickness	100 sheets (20 lb bond (80 g/m ²)) 98 sheets (20 lb bond (80 g/m ²)) + 2 sheets (140 lb index (256 g/m ²))
Delivery Tray Capacity	Conveyor belt - 30 booklets (or 40 sheets of booklet (20 lb bond (80 g/m ²))
Booklet Waste Tray Capacity	Approximately 1,500 sheets of trimmed strips (20 lb bond (80 g/m ²), trim width 0.78" (20 mm)
Acceptable Paper Sizes	13" x 19.2", 12" x 18", 12 5/8" x 17 3/4", 11" x 17", LGL, LTRR
Acceptable Paper Weights	14 lb bond to 140 lb index (52 to 256 g/m ²)
Power Source/Maximum Power Consumption	From the finisher. Up to 300 W
Dimensions (H x W x D)/	41" x 62" x 30 3/8" (1,040 mm x 1,575 mm x 770 mm) (including conveyor belt and delivery tray)
Weight	Approximately 335 lb (152 kg)

Table 44 – Puncher Unit-BF1 (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Size: 2 Holes: LGL, LTRR 3 Holes: 11" x 17", LTR, EXEC Weight: 14 lb bond to 140 lb index (52 to 256 g/m ²) Type: Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m ²)), Color, Recycled, Bond, Tab, Coated ⁶⁶ , and Letterhead
Punch Hole Quantity and Diameter	Two or Three Holes: 3/8" (8 mm)
Distance between Punch Holes	Two Holes: 2 3/4" (70 mm) Three Holes: 4 1/4" (108 mm)
Punch Waste Tray Capacity	Approximately 5,000 sheets (20 lb bond (80 g/m ²))
Power Source	From the finisher.
Dimensions (H x W x D)	Inside the Finisher 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)

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 45 – Puncher Unit-BS1 (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	Size: 2 Holes: LGL, LTRR, Custom Size (4" x 4" to 11 3/4" x 17" (182 mm x 182 mm to 297 mm to 432 mm)) 3 Holes: 11" x 17", LTR, EXEC, Custom Size (4" x 4" to 11 3/4" x 17" (182 mm x 182 mm to 297 mm to 432 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m ²) Type: Thin (14 to 16 lb bond (52 g/m ² to 63 g/m ²)), Plain (17 to 24 lb bond (64 g/m ² to 90 g/m ²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m ²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m ²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m ²)), Color, Recycled, Bond, Tab, Coated ⁶⁶ , and Letterhead
Punch Hole Quantity and Diameter	Two or Three Holes: 3/8" (8 mm)
Distance between Punch Holes	Two Holes: 2 3/4" (70 mm) Three Holes: 4 1/4" (108 mm)
Punch Waste Tray Capacity	Approximately 6,000 sheets (20 lb bond (80 g/m ²))
Power Source	From the finisher.
Dimensions (H x W x D)	Inside the finisher.
Weight	Approximately 6.7 lb (3.0 kg)

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 46 – Inner Booklet Trimmer-A1 (Optional) Specifications

Item	Specifications
Paper Size/Weight/Type	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 279.3 mm to 330.2 mm x 487.7 mm)) Weight: 16 lb bond to 140 lb index (60 to 256 g/m²)⁷⁶ Type: Thin (14 to 16 lb bond (52 g/m² to 63 g/m²)), Plain (17 to 24 lb bond (64 g/m² to 90 g/m²)), Heavy 1 (25 lb bond to 66 lb cover (91 to 180 g/m²)), Heavy 2 (67 to 80 lb cover (181 to 220 g/m²)), Heavy 3 (82 lb cover to 140 lb index (221 to 256 g/m²)), Color, Recycled, Bond, Coated⁶⁶, and Letterhead
Maximum Number of Sheets That Can Be Trimmed	Approximately 40 sheets (1/8" to 3/4" (2 mm to 20 mm))
Trimmer Booklet Waste Tray Capacity	Approximately 1,500 sheets with a trimmed width of 3/4" (20 mm), 20 lb bond (80 g/m ²)
Power Source	From the finisher.
Dimensions (H x W x D)	Inside the Finisher 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)

⁶⁶ Coated paper can only be loaded from the Insertion Unit.

Table 47 – Copy Card Reader-F1 (Optional) Specifications

Item	Specifications
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)	1 5/8" x 3 1/2" x 3 3/4" (40 mm x 88 mm x 96 mm) (Excludes the attachment kit and cable)
Weight	Approximately 7.1 oz (200 g) (Including the attachment kit and cable)

⁷⁶ Only use 110 lb to 140 lb index (210 to 256 g/m²) paper for one cover sheet.

Table 48 – imagePASS-U2 (Optional) Specifications

The imagePASS-U2 is a standalone printer controller. The imagePASS-U2 printer controller supports Adobe Genuine PostScript 3, PCL5e/5c, and PCL6, and is suited for office environments in which larger print volumes are frequently processed, or for users who use Adobe PostScript or other PostScript applications.


NOTE

- The imagePASS-U2 cannot be used with the print function of the machine, the PCL Printer Kit-AU1, or the PS Printer Kit-AU1.
- UFR II (Ultra Fast Rendering II) is not supported.

Item	Specifications
Network OS	Windows 7 Professional FES
CPU	Intel Pentium Dual Core Duo E5300 2.6 GHz
RAM	2 GB (2 x 1 GB)
HDD	250 GB SATA
Fiery System Software	Fiery System 10
Supported PDL	UFR II, PostScript 3, PCL5e/5c, and PCL6
Print Drivers	• Windows XP/Server 2003/Server 2008/Server 2008 R2/Server 2008 R2 SP1/Vista/7/7SP1 • Macintosh OS X 10.4.11 to 10.7.x^{*1} ^{*1} Macintosh OS X 10.8.x supported in a future release.
Standard Items	• Hot Folders Version 3 • Secure Erase Version 1.1 • Paper Catalog Kit • VDP-A1 Kit • Virtual Printers
Optional Items	• SeeSequence Suite • SeeSequence Impose • SeeSequence Compose • ImageViewer • Removable Hard Disk Drive • Integrated Interface & Stand

Table 49 – Super G3 FAX Board-AL1 (Optional) Specifications

These specifications are the same even when the Super G3 2nd Line Fax Board or Super G3 3rd/4th Line Fax Board is installed.

Item	Specifications
Telephone Line Used ⁷⁷	Public Switched Telephone Network
Scan Line Density (Scan, Transmission)	Normal: 8 pels ⁷⁸ /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
Sending Original Sizes	11" x 17" to STMTR
Receiving Original Sizes	11" x 17" to STMTR
Transmission Times	ECM-MMR: Approximately 3.2 seconds G3 MR: Approximately 13 seconds G3 MH: Approximately 13 seconds JBIG: Approximately 2.6 seconds
Auto Dial Function	Address Book: 1,800 destinations (including destinations stored in one-touch buttons)
Image Memory	Approximately 20,000 pages

Table 50 – Send Function: Scan Specifications

Item		Specifications
Communication Protocol		FTP (TCP/IP), SMB (TCP/IP), WebDAV
Data Format		TIFF, JPEG, PDF, XPS, OOXML (PowerPoint)
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 (SP4), Windows XP Professional (SP3), Windows Vista (SP2), Windows 7, Windows Server 2003 R2 (SP2), Windows Server 2008 (SP2), Windows Server 2008 R2 (SP2) Mac OS X, 10.4.x, 10.5.x, 10.6.x, Red Hat Linux 9, 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 ⁷⁹ , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	PowerPoint, OCR

77 When using an IP telephone service, facsimile communication via an IP telephone line, may not be performed normally. It is recommended to use a general telephone (Public Switched Telephone Network) line for facsimile communication.

78 Pels stands for picture elements (pixels).

79 PDF files optimized for Web viewing.

Table 51 – 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 x 100 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 ⁸⁰ , 300 x 300 dpi ⁸⁰ , 400 x 400 dpi ⁸⁰ , 600 x 600 dpi ⁸⁰
Format	E-Mail	TIFF, JPEG, PDF, XPS, OOXML (PowerPoint)
	I-Fax (B&W)	TIFF (MH, MR ⁸⁰ , MMR ⁸⁰)
Original Size	E-Mail	11" x 17", LGL, LTR, LTRR, STMT, STMTR
	I-Fax	11" x 17", LGL, LTR, LTRR, STMT ⁸¹ , STMTR ⁸¹
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 Functions (E-Mail Only)	PDF	Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web ⁷⁹ , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	PowerPoint, OCR

Table 52 – 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 ⁸² (Japanese, Korean, Simplified Chinese, Traditional Chinese)
	PS	136 Scalable fonts
Printable Area	PCL5e, 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.

⁸⁰ Available after setting the RX conditions for the destination.

⁸¹ Sent as LTR.

⁸² The optional PCL International Font Set must be activated to use the Andale and WorldType Collection fonts, or the Andale Mono WT font.

B. Warranty

1. Main Unit Limited Warranty

CANON imageRUNNER ADVANCE 8205/8295/8285 SERIES LIMITED WARRANTY

Canon U.S.A., Inc. or Canon Canada Inc. (as applicable, "Canon") warrants the imageRUNNER ADVANCE 8205/8295/8285 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 600,000 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.

ANY SOFTWARE THAT IS DISTRIBUTED WITH THE PRODUCT AND HAS AN ASSOCIATED END USER AGREEMENT IS LICENSED, WARRANTED AND PROVIDED ACCORDING TO THE TERMS OF THAT AGREEMENT, INCLUDING ANY LIMITATIONS AND DISCLAIMERS THEREIN. SUCH SOFTWARE IS SOLD WITHOUT WARRANTY OF ANY KIND BY CANON. PLEASE CONTACT CANON IMMEDIATELY IF YOU HAVE NOT RECEIVED A COPY OF THE SOFTWARE SUPPLIER'S END USER AGREEMENT. CANON RECOMMENDS THAT DATA STORED ON THE PRODUCT'S HARD DISK DRIVE BE DUPLICATED OR BACKED UP TO PREVENT ITS LOSS IN THE EVENT OF FAILURE OR OTHER MALFUNCTION OF THE HARD DISK DRIVE.

THE ABOVE WARRANTIES ARE 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 A PRODUCT OR ANY ASSOCIATED COMPONENT, AND ALL SUCH OTHER WARRANTIES AND CONDITIONS ARE DISCLAIMED. NO OTHER EXPRESS WARRANTY, CONDITION OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THE PRODUCT SHALL BIND CANON ANY SUPPLIER OR ANY AUTHORIZED SERVICE PROVIDER. NO WARRANTY IS GIVEN ON ANY USED PRODUCT.

THE SOFTWARE EMBEDDED IN THE PRODUCT AND USED TO CONTROL ITS FEATURES IS OWNED BY CANON INC. AND/OR OTHER THIRD PARTIES AND IS LICENSED UNDER THE THIRD PARTY SOFTWARE TERMS AND CONDITIONS STATED ELSEWHERE IN THIS MANUAL. ANY DEFECT IN SUCH EMBEDDED SOFTWARE THAT MATERIALLY IMPAIRS A FEATURE OF THE PRODUCT DOCUMENTED IN THIS USER MANUAL WILL BE COVERED BY THE ABOVE WARRANTY THAT THE PRODUCT IS FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP; NO OTHER WARRANTY APPLIES TO THIS SOFTWARE, AND ALL DISCLAIMER AND LIMITATION PROVISIONS AS SET FORTH BELOW APPLY TO THIS SOFTWARE.

NEITHER CANON OR ITS SUPPLIERS 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, INCLUDING, WITHOUT LIMITATION, DATA STORED ON THE PRODUCT'S HARD DISK DRIVE, STORAGE CHARGES OR OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ITS SUPPLIERS OR ANY AUTHORIZED SERVICE PROVIDER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT 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 THE PRODUCT 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 PRODUCT AND STATES SUCH PURCHASER'S EXCLUSIVE REMEDY.

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. GPR-37/38 Drum Unit Limited Warranty

CANON GPR-37/38 DRUM UNIT LIMITED WARRANTY

Canon U.S.A., Inc. and Canon Canada, Inc. (collectively "Canon") warrant the GPR-37/38 Drum incorporated into the imageRUNNER ADVANCE product (the "Product") packaged with this Limited Warranty (the "Drum") 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 30 days after delivery to the original purchaser of the Drum or use of it to make 100,000 prints or copies, whichever comes first (the "Warranty Period"). If the Drum proves to be defective within this Warranty Period, Canon shall, at its sole option, replace it without charge.

Following the expiration of the 30-day Warranty Period and continuing for a period of one-year after delivery to the original purchaser of the Drum or use of it to make a maximum of 2,000,000 prints or copies, (or a combination of both) whichever comes first, Canon shall provide a credit ("Credit") to the original purchaser toward the purchase of a replacement Drum if the Drum 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 determined as set forth in the example below.

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. NO OTHER EXPRESS WARRANTY, CONDITION OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THE DRUM SHALL BIND CANON OR ANY AUTHORIZED SERVICE DEALER. NO WARRANTY IS GIVEN ON ANY USED DRUM.

THIS WARRANTY SHALL BE VOID AND OF NO FORCE AND EFFECT IF THE DRUM IS DAMAGED AS A RESULT OF (A) ABUSE, NEGLIGENCE, MISHANDLING, OR ALTERATION OF THE DRUM, A PRODUCT ACCESSORY OR A PRODUCT IN WHICH THE DRUM 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 OR CAUSE ABNORMALLY FREQUENT SERVICE CALLS OR SERVICE PROBLEMS. NOR DOES THIS WARRANTY EXTEND TO ANY DRUM ON WHICH THE ORIGINAL IDENTIFICATION MARKS OR SERIAL NUMBERS HAVE BEEN DEFACED, REMOVED, OR ALTERED.

NEITHER CANON NOR ANY CANON AUTHORIZED SERVICE DEALER SHALL BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE (UNLESS CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY CANON AUTHORIZED SERVICE DEALER), 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, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED AND EVEN IF CANON OR ANY AUTHORIZED SERVICE DEALER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST CANON OR ANY CANON AUTHORIZED SERVICE DEALER BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE DRUM 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 NOT CAUSED SOLELY AND DIRECTLY BY THE NEGLIGENCE OF CANON OR ANY CANON AUTHORIZED SERVICE DEALER. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THE DRUM AND STATES SUCH PURCHASER'S EXCLUSIVE REMEDY.

CONDITIONS OF WARRANTY

The defective Drum must be returned to your Canon Authorized Service Dealer, with all necessary documentation (machine log, a sample copy or other documents as required from time to time) to receive the Credit or replacement Drum. Credits will be based on the then current dealer price of the replacement Drum, and will be pro-rated based on the prints or copies made, or a combination of both, as described in the Example of Credit below.

EXAMPLE OF CREDIT

Drum inoperative after: 1,000,000 prints/copies in one-year or less after delivery to original purchaser.

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

Calculation: $\frac{2,000,000 - 1,000,000}{2,000,000} = \frac{1,000,000}{2,000,000} = 50\%$ of the dealer price of the replacement Drum

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



Canon U.S.A., Inc. One Canon Plaza Lake Success, New York 11042-1198
 Canon Canada, Inc. 6390 Dixie Road Mississauga, Ontario L5T 1P7 Canada
 Canon is a registered trademark of Canon Inc.

C. List of Tables

Table 1 – imageRUNNER ADVANCE 8200 Series Comparison	3
Table 2 – imageRUNNER ADVANCE 8200 Series Box Contents	5
Table 3 – Configuration	6
Table 4 – Hardware Accessories	7
Table 5 – System Accessories	9
Table 6 – Integrated and imageRUNNER ADVANCE Solutions	10
Table 7 – Supplies and Consumables	12
Table 8 – Online Course Modules	47
Table 9 – Classroom Courses	47
Table 10 – Updated Online Course Modules for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians	48
Table 11 – Prerequisite Courses	48
Table 12 – Service Materials	50
Table 13 – Main Unit Power and Plug Requirements	51
Table 14 – Power Requirements for the Main Unit and Optional Accessories	52
Table 15 – Installation Space Requirements	53
Table 16 – Estimated Installation Times	55
Table 17 – CDS Firmware Delivery Methods	57
Table 18 – Special Tools List	66
Table 19 – Solvents and Oils	67
Table 20 – Main Unit Consumables List	68
Table 21 – Main Unit Consumable Parts List	69
Table 22 – Duplex Color Image Reader Unit-G1 Consumable Parts List	71
Table 23 – POD Deck Lite-A1 and Paper Deck Unit-C1 Consumable Parts List	71
Table 24 – Booklet Finisher-N1 and Staple Finisher-N1 Consumable Parts List	72
Table 25 – Document Insertion Unit-K1 Consumable Parts List	73
Table 26 – Paper Folding Unit-H1 Consumable Parts List	73
Table 27 – Image Formation System Periodically Replaced Parts List	74
Table 28 – Fixing System Periodically Replaced Parts List	75
Table 29 – External Auxiliary System Periodically Replaced Parts List	75
Table 30 – Soft Counter Configuration	78
Table 31 – Monthly Copy/Print Volume	80
Table 32 – Canon USA Support Escalation Flow Chart	94
Table 33 – imageRUNNER ADVANCE 8200 Series Main Unit Specifications	102
Table 34 – Duplex Color Image Reader Unit-G1	105
Table 35 – POD Deck Lite-A1 (Optional) Specifications	106
Table 36 – Paper Deck Unit-C1 (Optional) Specifications	106
Table 37 – Document Insertion Unit-K1 (Optional) Specifications	107
Table 38 – Paper Folding Unit-H1 (Optional) Specifications	108
Table 39 – Staple Finisher-N1 (Optional) Specifications	109
Table 40 – Booklet Finisher-N1 (Optional) Specifications	111
Table 41 – Staple Finisher-Q1 PRO (Optional) Specifications	113
Table 42 – Booklet Finisher-Q1 PRO (Optional) Specifications	116
Table 43 – Booklet Trimmer-D1 (Optional) Specifications	118
Table 44 – Puncher Unit-BF1 (Optional) Specifications	119
Table 45 – Puncher Unit-BS1 (Optional) Specifications	119
Table 46 – Inner Booklet Trimmer-A1 (Optional) Specifications	120
Table 47 – Copy Card Reader-F1 (Optional) Specifications	120
Table 48 – imagePASS-U2 (Optional) Specifications	121
Table 49 – Super G3 FAX Board-AL1 (Optional) Specifications	122
Table 50 – Send Function: Scan Specifications	122
Table 51 – Send Function: E-Mail and I-Fax Specifications	123
Table 52 – Connectivity and Software Specifications	123

D. List of Figures

Figure 1 – Learning Path for Technicians Not Certified on the imageRUNNER ADVANCE 8000/6000 Series Machines	46
Figure 2 – Learning Path for imageRUNNER ADVANCE 8000/6000 Series Certified Technicians	46
Figure 3 – License Management System	61
Figure 4 – Content Delivery System Web Site	62
Figure 5 – e-Support: Flat-Rate Program	82
Figure 6 – e-Support: Authorized Parts Repair Facilities	84
Figure 7 – e-Support: e-Tag	86
Figure 8 – e-Support: e-Tag Claim Console	87
Figure 9 – ISG Central.....	88
Figure 10 – CNA: Warranty Credit Inquiry.....	89
Figure 11 – CNA: e-Tag Warranty Claims Search	89
Figure 12 – ISG Central.....	90
Figure 13 – CNA: Warranty Credit Inquiry	91
Figure 14 – CNA: Flat-Rate Warranty Reimbursement Search	91
Figure 15 – NAVI: Login Screen	95
Figure 16 – NAVI: Main Screen	95
Figure 17 – e-Support: Knowledge PAKS.....	97
Figure 18 – e-Support: NAVI's Mini-Home Page	98
Figure 19 – e-Support: Login Screen.....	99
Figure 20 – ISG Central: Login Screen.....	100
Figure 21 – ISG Central: Engineering Services & Solutions Web Page.....	101
Figure 22 – ISG Central: Engineering Services and Solutions Service Guides Area	101