



imageRUNNER ADVANCE 6500 Series

Customer Expectations Document

Version 2



Engineering Services and Solutions Division
Business Imaging Solutions Group, Canon U.S.A., Inc.

Contents

1. Introduction	6
2. Product Overview	6
2.1 Summary of Functions	7
2.2 High-Resolution Imaging System for Copied and Printed Images.....	9
2.3 Image Stabilization Control	9
2.3.1 Automatic Gradation Adjustment	9
2.3.2 Automatic Calibration.....	9
2.3.3 Accurate Registration	9
2.4 Third Generation imageRUNNER ADVANCE Platform Improvements	10
2.5 Professional Input/Output Accessories	11
2.6 Storage Capabilities	11
2.6.1 Mail Box	12
2.6.2 Advanced Box.....	13
2.6.3 Network.....	13
2.6.4 Memory Media	14
2.7 Security Features	15
2.7.1 Device Authentication	15
2.7.2 Data Security	17
2.7.3 Document Security	21
2.7.4 Network Security.....	22
3. Machine Dimensions and Space Requirements	23
3.1 Dimensions	23
3.2 Weight.....	23
3.3 Installation and Service Space	24
3.3.1 Installation Space Diagrams	25
3.4 Recommended Floor Space Requirements	27
3.5 Floor Structure Requirements	27
3.6 Network Interface Connectivity.....	28
4. Power/Electrical Requirements	29
4.1 Power Requirements for the Main Unit and Optional Accessories	29
5. Environmental Factors and Requirements.....	31
5.1 Temperature and Humidity Conditions	31
5.2 Temperature Gradient.....	31
5.3 Ventilation	32
5.4 Elevation Limitations	32
5.5 Lighting.....	32
5.6 Sunlight	32
5.7 Ammonia.....	32

6. Specifications	33
6.1 Main Unit	33
6.2 Paper Deck Unit-E1	38
6.3 POD Deck Lite-C1	39
6.4 Document Insertion Unit-P1	40
6.5 Document Insertion/Folding Unit-J1	41
6.6 Copy Tray-R1	42
6.7 Staple Finisher-V1	42
6.8 Booklet Finisher-V1	45
6.9 Copy Card Reader-F1	48
6.10 2/3 Hole Puncher Unit-A1	48
6.11 Super G3 FAX Board-AS1	49
7. System Options	50
7.1 Copy and Print Options	50
7.1.1 imagePASS-Y1	50
7.1.2 Barcode Printing Kit-D1	51
7.1.3 Secure Watermark-B1	51
7.1.4 PCL International Font Set-A1	51
7.2 Universal Send and Fax Options	52
7.2.1 Universal Send Trace and Smooth Kit-A1	52
7.2.2 Universal Send Advanced Feature Set-H1	52
7.2.3 Universal Send Security Feature Set-D1	52
7.2.4 Universal Send Digital User Signature Kit-C1	52
7.2.5 Super G3 FAX Board-AS1	53
7.2.6 Super G3 2nd Line Fax Board-AS1	53
7.2.7 Super G3 3rd/4th Line Fax Board-AS1	53
7.2.8 Remote Fax Kit-A1	53
7.2.9 IP Fax Expansion-B1	54
7.3 Web Access Software-K1	55
7.4 Data Security and Wireless Options	55
7.4.1 Encrypted Secure Print Software-D1	55
7.4.2 imageRUNNER ADVANCE Security Kit-M1 for IEEE 2600 Common Criteria Certification	55
7.4.3 HDD Data Mirroring Kit-J1	56
7.4.4 Removable Hard Disk Drive Kit-AL1	56
7.4.5 Document Scan Lock Kit-B1	57
7.4.6 2.5 inch/250 GB HDD-N1	57
7.4.7 2.5 inch/1 TB HDD-P1	58
7.5 Accessibility Options	59
7.5.1 Voice Guidance Kit-G1	59
7.5.2 Voice Operation Kit-D1	59
7.5.3 ADF Access Handle-A1	59
7.6 Serial Interface Kit-K2	59
7.7 Other imageRUNNER ADVANCE 6500 Series Main Unit Accessory Options	59

8. Installation Review.....	60
8.1 Installation Time	60
8.2 Customer Installation Responsibilities.....	62
9. Consumable Items.....	63
9.1 Usage Conditions.....	63
9.2 Consumable Parts.....	64
9.2.1 Estimated Life of Consumables	64
10. Toner Bottle Yields	64
11. Waste Toner Yields.....	65
12. Optimum Monthly Product Performance	66
13. Machine Productivity.....	67
13.1 Print Speed	67
13.2 Mixed Paper Weight Job Productivity.....	69
13.3 Heavy Paper Weight Job Productivity	70
13.4 Paper and Toner Replacement	70
14. Media Usage/Compatibility	71
14.1 Media Characteristics by Media Library Parameters.....	71
14.2 Paper Handling and Storage	71
14.3 Selecting the Correct Media	72
14.4 Paper Grain and Curl	72
14.5 Note for Customers Who Cut Their Own Paper	73
14.6 Media Feed Locations	73
14.7 Paper Sizes and Feed Location Chart	76
15. Image Quality Capabilities	77
15.1 Customer-Defined Image Quality Adjustments and Recommendations.....	77
15.1.1 Adjust Image Quality Modes	78
15.1.2 Paper Type Management Settings	78
16. Responsibility Matrix.....	79

IMPORTANT

The purpose of this Customer Expectations Document is to explain the current features and capabilities of the imageRUNNER ADVANCE 6500 Series, and provide customers information about what to expect before purchasing the machine.

The information included in this document has been pulled from various sources, including product reference guides, service guides, and user manuals, as well as from the results from internal Canon testing. Specifications and other information contained herein may vary slightly, and in a non-material way, from actual device values, including those found in advertising and other printed matter. Part numbers, yield information, and specifications are subject to change without notice. Accordingly, the latest specifications for the machine may not be found in this document. As new information becomes available, this document will be revised. Canon authorized dealers can access the latest revision of this document from the Download Center page in the e-Support Web site (support.cusa.canon.com).

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.

Copyright 2016 by Canon U.S.A., Inc. All rights reserved.

Product and company names used herein are, or may be, the registered trademarks or trademarks of their respective owners.

1. Introduction

The Canon imageRUNNER ADVANCE 6500 Series Customer Expectations Document contains information about the features and capabilities of the Canon imageRUNNER ADVANCE 6500 Series. This document should be used as part of the presale and pre-installation planning process to help clarify the requirements and responsibilities associated with supporting, owning, and operating the imageRUNNER ADVANCE 6500 Series. It is also recommended that those interested in purchasing the imageRUNNER ADVANCE 6500 Series have, and familiarize themselves with, the information in this document prior to making their purchase.

Version 2 clarifies the Universal Login Manager (ULM) activation requirements.

2. Product Overview

The Canon imageRUNNER ADVANCE 6500 Series brings the following capabilities to users in an office environment:

- Print speeds of up to 75 ppm (pages per minute), 65 ppm, or 55 ppm (LTR, Black-and-White), depending on the model purchased.
- New standard features, such as: PCL, PS, ULM (Universal Login Manager), Remote Operator's Software Kit, Wireless LAN support, HDD Encryption Kit, and Scan to Word (OOXML).
- Single pass duplex document feeder with two-sided black-and-white scanning speeds of up to 240 ipm (images per minute), two-sided color scanning speeds of up to 220 ipm, and 300-sheet capacity.
- A newly-designed 10.1" WSVGA, flat, control panel with flick and pinch action, similar to the technology used on smartphones.
- Standard 250 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, hole puncher, document insertion unit, and document insertion/folding unit.
- True 1,200 dpi printing at the engine's rated speed.
- Standard USB memory support. One USB port is on the left-hand side of the control panel and can be used for scanning, printing, or direct printing from a USB memory stick. One USB port is on the rear of the machine, and can only be used to attach a USB keyboard, third-party card reader, direct printing, or for servicing the machine.
- Standard Universal Send, UFR II, PCL, 6, Adobe PostScript 3, and PDF/XPS Direct Printing.

2.1 Summary of Functions

Function		imageRUNNER ADVANCE 6500 Series		
		6575i	6565i	6555i
Print Speed (LTR)	B&W	Up to 75 ppm	Up to 65 ppm	Up to 55 ppm
Scan Speed (LTR, 300 dpi)	B&W	2-Sided: Up to 240 ipm, 1-Sided: Up to 120 ipm		
	Color	2-Sided: Up to 220 ipm, 1-Sided: Up to 120 ipm		
DADF		Standard Single Pass Duplex		
DADF Capacity		300 sheets (20 lb bond (80 g/m ²))		
Engine Resolution		Up to 1,200 x 1,200 dpi		
Gradations		256 levels		
Paper Size	Min	4" x 5 7/8"		
	Max	11" x 17" original 13" x 19 1/4" copy/print		
Paper Weight	Drawers	14 lb bond to 80 lb cover (52 to 220 g/m ²)		
	Multi-Purpose Tray	14 lb bond to 140 lb index (52 to 256 g/m ²)		
HDD Capacity		Standard 250 GB, Maximum 1 TB		
Printer Memory		Main Controller 1: 3 GB Standard		
		Main Controller 2: 3 GB Maximum		
Copy		Standard		
Store	Mail Box	Standard (2,000 files, 30,000 pages)		
	Advanced Box	Standard (1,000 files max, including folders)		
	Memory Media Support	Standard (USB)		
Print	UFR II	Standard		
	PCL	Standard		
	Direct Print	Standard (JPEG, TIFF (B/W), PDF/XPS ^{*1})		
	PostScript	Standard		
	Barcode Print	Optional		
	imagePASS	Optional (w/imagePASS-Y1)		
Forced Reservation Printing		Standard		

*1 Direct Print XPS files can only be printed from the Remote UI.

Summary of Functions Continued

Function		imageRUNNER ADVANCE 6500 Series		
		6575i	6565i	65551
Send	Universal Send	Standard		
	Searchable PDF	Standard		
	PDF High Compression	Standard		
	PDF Advanced Feature Set	Optional		
	OOXML	Standard (.docx/.pptx)		
	PDF Security Feature Set	Optional		
	PDF Digital Device Signature	Optional		
	PDF Digital User Signature	Optional		
	Blank Page Removal	Standard		
Fax	Super G3 Fax	Optional (up to 4 lines w/Super G3 FAX Board)		
	Remote Fax	Optional		
	IP Fax	Optional		
Network		Standard Ethernet 10Base-T/100Base-TX/1000 Base-T, Standard Wireless LAN		
Remote UI		Standard		
MEAP Capability		Standard		
Access Management System		Standard		
Security	ULM ^{*2}	Standard		
	User Authentication	Standard		
	Security Policy Support	Standard		
	HDD Encryption Kit	Standard		
	My ADVANCE	Standard		

*2 To activate the ULM, the customer must have an Internet connection.

2.2 High-Resolution Imaging System for Copied and Printed Images

The imageRUNNER ADVANCE 6500 Series provides a high-resolution imaging system. This system renders images at a 1,200 x 1,200 dpi print resolution, which delivers the highest level of speed and image quality. Object-optimized imaging also helps to achieve superior print quality. Text and lines are processed with a high priority given to resolution, and images and graphics are processed with a high priority given to gradation. This high-resolution imaging system coupled with the Density Detection Adjustment mode, a feature that refines thin, fine text, and lines while the device is rendering images at 1,200 x 1,200 dpi, minimizes faint output and delivers quality prints.

2.3 Image Stabilization Control

The quality of printed images is affected by changes in the environment, such as temperature and humidity, in which the machine is installed. It is also affected by the deterioration of image formation parts through extended use. The imageRUNNER ADVANCE 6500 Series reduces these issues, stabilizes image production, and maintains consistency with features, such as the Auto Gradation Adjustment mode, Density Detection, and accurate registration (+/- 1.0 mm).

2.3.1 Automatic Gradation Adjustment

Automatic Gradation Adjustment is a function that helps to automatically adjust toner density. Select from the Quick Adjustment mode or Full Adjustment mode. The Quick Adjustment mode quickly and simply adjusts the gradation and density by performing calibration without outputting test prints. The Full Adjustment mode performs a precise calibration by outputting and scanning test prints. For more information on the Automatic Gradation Adjustment modes, see “Adjustment/Maintenance,” in the *Settings/Registration e-Manual* included with the machine.

2.3.2 Automatic Calibration

Auto Calibration is a process that adjusts the maximum density to maintain high-image quality. This process is completed in 28 seconds, is performed every 6,000 pages printed, and does not interrupt current print jobs. Instead, the automatic calibration is performed after the current print job completes.

2.3.3 Accurate Registration

Image registration can be finely adjusted by manually specifying an exact adjustment value for every user-specified paper type. For more information, see “Printing a Test Page to Adjust the Image Position on a Custom Paper Type,” in the *Settings/Registration e-Manual* included with the machine.

2.4 Third Generation imageRUNNER ADVANCE Platform Improvements

The Third Generation imageRUNNER ADVANCE platform has been designed for advanced functionality, high-reliability, and ease of operation. The Third Generation platform enables digital business communications, such as imaging technology, cloud connectivity, and mobile solutions to seamlessly work together.

The imageRUNNER 6500 Series design improvements are described below.

- The paper drawers and cassettes feature an opening handle, instead of a push-button to open the drawers.
- The ADF (Automatic Document Feeder) has a magnetic release mechanism, which enables the user to lift the feeder off the platen glass without the use of too much force.
- The optional Staple Finisher-V1 and Booklet Finisher-V1 support staple-free stapling and stapling on demand.
 - Staple-Free stapling binds the paper together with pressure, which eliminates the need for metal staples (a consumable item). Up to four (4) sheets (20 lb bond paper) can be bound using this method. This results in better document stacking.
 - Staple on Demand provides a convenience stapler as part of the finisher.
- The multi-purpose tray has been improved to include automatic size detection. This eliminates the need to register standard paper sizes when they are placed in the tray.
- Enhanced paper jam clearance. When a paper jam occurs, the jammed paper is moved within the device to a more accessible area for removal. This minimizes paper tears when clearing the paper jam.
- The accuracy of detecting the waste toner level has improved, and now users can replace the Waste Toner Container without a service call to a service technician¹.
- The ADF is pre-installed at the factory. This reduces the machine's install time by approximately 6 minutes.
- An Installation Navigation Wizard is activated when the machine is first turned ON. This Wizard guides the user to configure the necessary information and settings for basic machine operations.

¹ To aid the customer in replacing the Waste Toner Container, Canon has added a user maintenance video on the UI that can be turned ON in the Service Mode.

2.5 Professional Input/Output Accessories

The imageRUNNER ADVANCE 6500 Series features many robust input and output accessories that allow customers working in light-production or high-volume office environments to complete large jobs directly from the machine. For more information on the input and output accessories that can be attached to the machine, see [“Specifications,”](#) on p. 33.

Input Accessories

- Duplex Color Image Reader Unit (Standard)
- Paper Deck Unit-E1
- POD Deck Lite-C1

Finishing (Output) Accessories

- Staple Finisher-V1
- Booklet Finisher-V1
- Copy Tray-R1
- 2/3 Hole Puncher-A1
- Document Insertion Unit-P1
- Document Insertion/Folding Unit-J1

2.6 Storage Capabilities

The imageRUNNER ADVANCE 6500 Series offers 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 backup plan. Canon U.S.A., Inc. offers several security options to enhance document handling and storage security needs. See [“System Options,”](#) on p. 50.
- It is strongly recommended to back up the data stored on the hard disk drive.

2.6.1 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, JPEG, XPS, and OOXML, 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. Each mail box can store up to 30,000 pages.

2.6.2 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.

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.

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.

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.



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.

2.6.3 Network

The imageRUNNER ADVANCE 6500 Series is equipped with a collaboration function that enables it to be connected to other imageRUNNER ADVANCE machines via the SMB/WebDav protocol. When the machine is connected to other machines, a user can select an Advanced Box in another machine (if it is on the network) to store files or print a file that is stored in another machine on this machine.

2.6.4 Memory Media

Memory Media is storage that can be used by attaching a USB memory stick to the USB port on the control panel. A document can be scanned with this machine and stored in memory media in the PDF, JPEG, or TIFF file format, and also the file stored in the memory media can be printed on this machine at any time with the desired print settings.

When printing files from memory media, the maximum file size is 2 GB. Up to 6 files on the memory media can be printed at the same time. The maximum number of files on the USB memory media that can be displayed or stored is 1,000 (including folders).

2.7 Security Features

The imageRUNNER ADVANCE 6500 Series includes a comprehensive set of security features, such as Device Authentication, Data Security, Document Security, and Network Security.

2.7.1 Device Authentication

There are three ways to authenticate users at the device.

- **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. The following settings can be specified:
 - Turn Department ID Management 'On' or 'Off'.
 - Register the Department ID and password.
 - Set page limits for scans, prints, and copies.
 - Set whether to use Department ID Management for the Mail Box, Send, and Network Scan functions. If the Copy function is specified, it is automatically restricted when Department ID Management is set.
 - Set up copy, scan, and print restrictions.
- **Universal Login Manager** - ULM (Universal Login Manager) is a MEAP application, developed by NT-ware, that provides log in management capabilities, such as simple user authentication, Local Authentication, and Domain Authentication for Canon imageRUNNER ADVANCE devices. These user authentication methods use Picture Log In, PIN Codes, or Proximity Card Log In methods to gain access to the machine. Although, ULM is a server-less authentication solution, it can also integrate with the Access Management System for advanced security. Furthermore, ULM can be upgraded to the full uniFLOW platform, which provides mobile printing, secure printing, advanced security, and scanning workflow capabilities, along with a fully-automated statistics and reporting suite.



NOTE

ULM comes pre-installed on all Third Generation imageRUNNER ADVANCE devices. To activate the ULM, the PC/Workstation used for activation must have access to the Internet.

- **Universal Authentication** - A user authentication system that enables the functions of the machine and MEAP applications to be used by a user after being authenticated once. UA 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 Access Management System is a subset of the UA system.
- **Access Management System** - The standard AMS (Access Management System) enables system administrators to restrict various Copy, Print, Fax, Scan, Mail Box, and Send functions that each user can use. Once the AMS is activated, a Function Level Log-In can be used to authenticate users for specific machine functions only. UA must be activated to use the Log-In feature of the AMS.

2.7.2 Data Security

The imageRUNNER ADVANCE 6500 Series offers several ways to protect and secure data. It is strongly recommended that a backup 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 address a customers' need for securing data. If a customer has any data security concerns, please contact the dealer for more information.

1. Customer Accessible HDD Initialization Function (Initialize All Data/Settings)
2. Optional Document Scan Lock Kit-B1
3. imageRUNNER ADVANCE Trusted Platform Module
4. Standard HDD Data Erase Kit
5. Standard HDD Encryption Kit
6. Optional HDD Mirroring Kit-J1
7. Optional Removable Hard Disk Kit-AL1
8. Standard Security Policy Function

CAUTION

Canon U.S.A., Inc. is not liable for any damages resulting from the loss or corruption of data. (See page 5 for further details.)

- **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).
- **Document Scan Lock Kit-B1** – The Document Scan Lock Kit-B1 embeds an invisible code over the entire surface of a printed document, which identifies which printer printed the document, and enables the user to track who printed the document. The Document Scan Lock system is tamper resistant, and if someone tries to copy the document, the Document Scan Lock system checks to see if the person has the proper permissions to reproduce it. A password may be required to enable the reproduction of the document. For more information on the Document Scan Lock Kit, see [“Document Scan Lock Kit-B1,”](#) on p. 57.

- **TPM (Trusted Platform Module)** - TPM is a standard security chip (tamper resistant hardware) installed in the imageRUNNER ADVANCE 6275. 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 page 5 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 backup data in a safe place.
 - For the backup 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.
- **Removable Hard Disk Drive Kit-AL1** - The optional Removable Hard Disk Drive Kit-AL1 provides the capability to physically remove the hard disk drive from the machine so it may be placed in a secured 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-AL1, see ["Removable Hard Disk Drive Kit-AL1,"](#) on p. 56.

- **HDD Data Erase Kit** - The HDD Data Erase Kit is standard and available for those environments that require additional data security measures. This kit automatically overwrites image data that is written to the hard drive following each job performed at the machine. The HDD Data Erase Kit overwrites 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

An increase in the amount of times the HDD Data Erase Kit-C1 overwrites data, results in a loss of job productivity.

- **HDD Data Encryption Kit** - The HDD Encryption Kit is standard. The HDD encryption chip is the Canon MFP Security Chip 2.10, which complies with the FIPS 140 2-Level 2 security standard established by the United States government. The Canon MFP Security Chip 2.10 is certified as a cryptographic module under the Cryptographic Module Validation Program (CMVP) established by the United States and Canada. This adds an additional layer of security to files stored on the HDD.
- **HDD Data Mirroring Kit-J1** - The optional Mirroring function provides redundancy when used 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 Mirroring Kit-J1, see [“HDD Data Mirroring Kit-J1,”](#) on p. 57.

- **Security Policy Function** – The security policy function is used to collectively configure the security-related settings into one security policy. These settings can be protected by a dedicated password to achieve a high-level of security.

A Security Administrator can reflect policy settings that comply with the security policies of his/her company in the devices under his/her charge to restrict people, other than the security administrator (system administrators and end users), from using functions that do not comply with the policies, or from changing the setting values.

The information configured in the security policy can be exported or imported by using the DCM function or the iWEMC DCM Plug-In, and can be copied to multiple devices.



IMPORTANT

- Only an Administrator, who knows the security password, can disable the Security function.
- Proper management and workflows are necessary for users who use the Security Policy function, and for machines that support this function. If an Administrator must log on to access the machine, it is necessary, to notify the service technicians and the Call Center of support of these security policies, in case the Administrators or users forget their passwords. Therefore, a service technician must make an appointment with the Administrator, before a visit, so that the Security function can be disabled. Also, it is important to verify and establish a system to issue license keys.
- The passwords of the Security Policy Administrator and the System Administrator can be cleared from the Service Mode. However, the passwords cannot be cleared in the Service Mode, if "Restrict Service Representative Access" is enabled. In this case, an HDD clear is required, and it is necessary to explain to the Administrator about the risk of any security policy specified, and request to manage the passwords.

2.7.3 Document Security

The imageRUNNER ADVANCE 6500 Series offers several document security modes to protect printed and distributed documents.

- **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.
- **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.

2.7.4 Network Security

The imageRUNNER ADVANCE 6500 Series secures network communications by using IP Address and MAC (Media Access Control) Address filters, encryption and authentication, and network port and application access control.

- **IP Address and MAC Address Filters** – IP Address Filter performs a function similar to many firewalls. It permits or rejects incoming packets from up to eight IP addresses or ranges of IP addresses. Also, IP address filters to outbound connections can be applied. For example, if such functions as Remote Copy and Universal Send are used, system administrators can block or restrict users from sending files to specific IP addresses. This helps to minimize the risk of data being sent out of the company to systems that are not trusted.

MAC Address Filter permits or rejects access for up to 100 MAC addresses. It is useful for environments that use DHCP (Dynamic Host Configuration Protocol) for IP address assignments. If DHCP leases expire and a new IP address is issued to a certain system, the filter can still identify the system's MAC address, and permit or reject access to the machine. MAC addresses can be easily added, edited, or deleted through the Remote UI. MAC Address Filter takes a higher priority than IP Address Filter, which prevents unknown systems from attacking the machine.

- **Encryption and Authentication** – SSL (Secure Sockets Layer) protects data transferred over the network by encrypting file names and formats. The System Administrator can also add IPSec capabilities to secure Internet Protocol (IP) communications from lower layer protocols, such as TCP (Transmission Control Protocol) and UDP (User Datagram Protocol) by authenticating and encrypting each IP packet of a data stream across the Internet.

Additionally, the imageRUNNER ADVANCE 6500 Series supports IEEE 802.1x, which provides port-based authentication. 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 6500 Series) 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.

- **Network Port and Application Access Control** – Network Port and Application Access Control enables system administrators to set up only the necessary protocols, such as IPP, FTP, SNTP, SNMP, RAW, LPD, and others for transferring data. These protocols can be switched on or 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.

3. Machine Dimensions and Space Requirements

3.1 Dimensions

The following table includes the width, height, and depth dimensions (in inches and millimeters) of the main unit and optional accessories.

Unit	Width		Depth		Height	
Main Unit ^{*1}	58.38"	1,481 mm	30.38"	770 mm	49.25"	1,252 mm
Main Unit ^{*2}	26.38"	670 mm	30.63"	779 mm	48"	1,220 mm
Paper Deck Unit-E1	13.75"	350 mm	24.88"	630 mm	22.5"	570 mm
POD Deck Lite-C1	25"	636 mm	27"	686 mm	22.5"	570 mm
Document Insertion Unit-P1	26.1"	662 mm	26.75"	679 mm	48.9"	1,242 mm
Document Insertion/ Folding Unit-J1	26.1"	662 mm	26.75"	679 mm	48.9"	1,242 mm
Staple Finisher-V1	20.6"	525 mm	24.5"	623 mm	43.25"	1099 mm
Booklet Finisher-V1	20.6"	525 mm	24.5"	623 mm	43.25"	1099 mm
2/3 Puncher-A1	Inside the Finisher					
Copy Tray-R1	16.5"	420 mm	15.0"	382 mm	6.9"	175 mm
Copy Card Reader-F1 ^{*3}	3.5"	88 mm	3.75"	96 mm	1.6"	40 mm
imagePASS-Y1	5.5"	140 mm	13.6"	345 mm	12.9"	328 mm

*1 The height is measured to the top of the optional Upright Control Panel in the standard position, and the width is measured to the right edge of the optional Upright Control Panel in the extended position.

*2 The height and width are measured without the optional Upright Control Panel.

*3 The attachment kit and cable are not included.

3.2 Weight

The approximate weights of the main unit, feeder, and finishing options (in pounds and kilograms) are listed in the table below.

Unit	Weight	
Main Unit with Upright Control Panel (including Toner)	534.6 lb	242.5 kg
Main Unit without Upright Control Panel (including Toner)	525.8 lb	238.5 kg
Paper Deck Unit-E1	75 lb	34 kg
POD Deck Lite-C1	149.9 lb	68 kg
Document Insertion Unit-P1	88.2 lb	40 kg
Document Insertion/Folding Unit-J1	168 lb	76 kg
Staple Finisher-V1	77.2 lb	35 kg
Booklet Finisher-V1	127.9 lb	58 kg
2/3 Hole Puncher-A1	6.7 lb	3.0 kg
Copy Tray-R1	2.4 lb	1.1 kg
Copy Card Reader-F1 ^{*1}	7.1 oz	200 g
imagePASS-Y1	15 lb	6.8 kg

*1 The attachment kit and cable are included.

3.3 Installation and Service Space

The installation site must provide enough space for unrestricted operation, maintenance work, and proper ventilation. The machine dimensions are in diagrams on the following pages. Every attempt should be made to install the equipment in a room that allows for the proper servicing and maintenance of the equipment, and ensures that issues, such as ventilation, odors, and dust accumulation are not a concern.

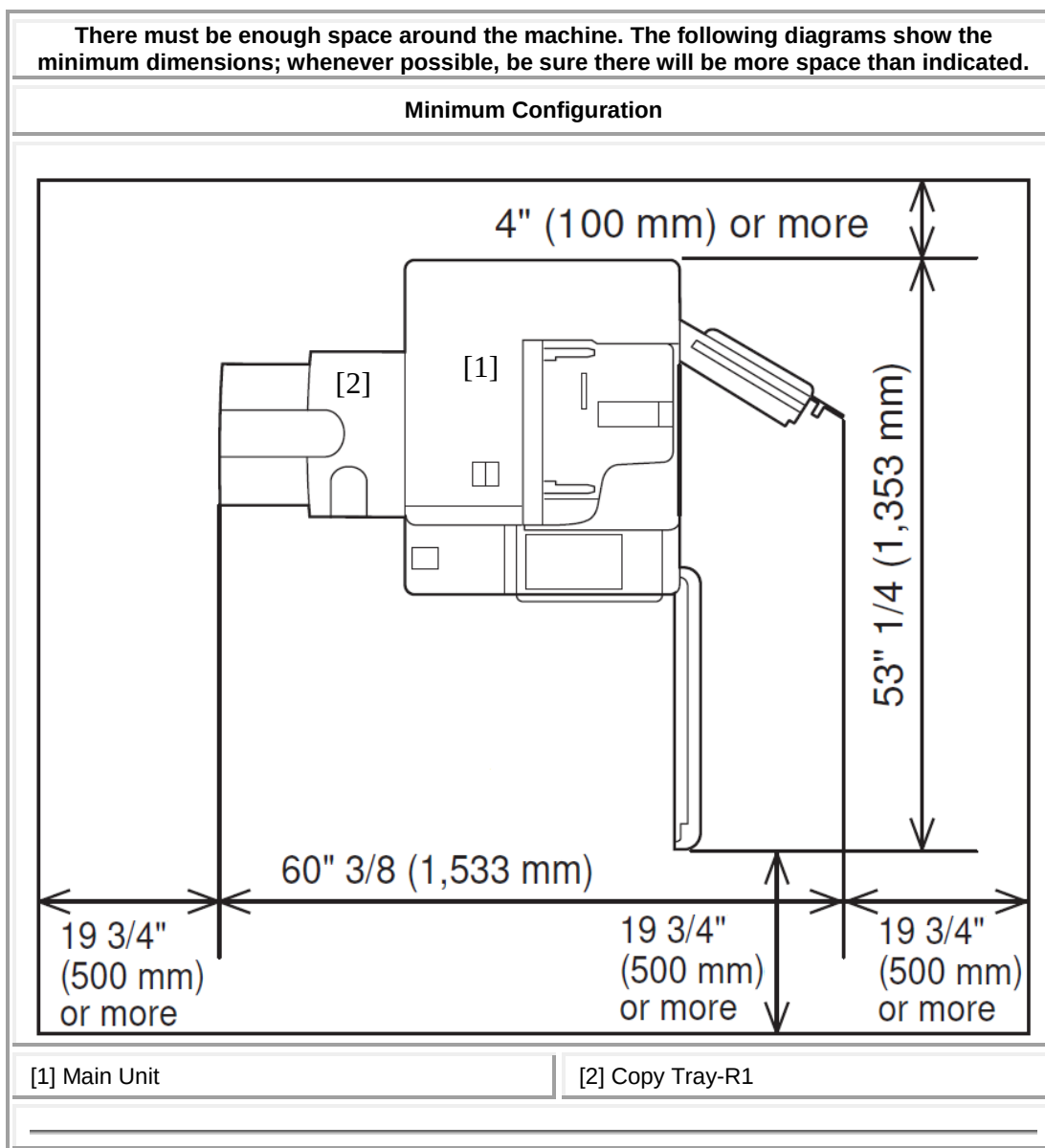


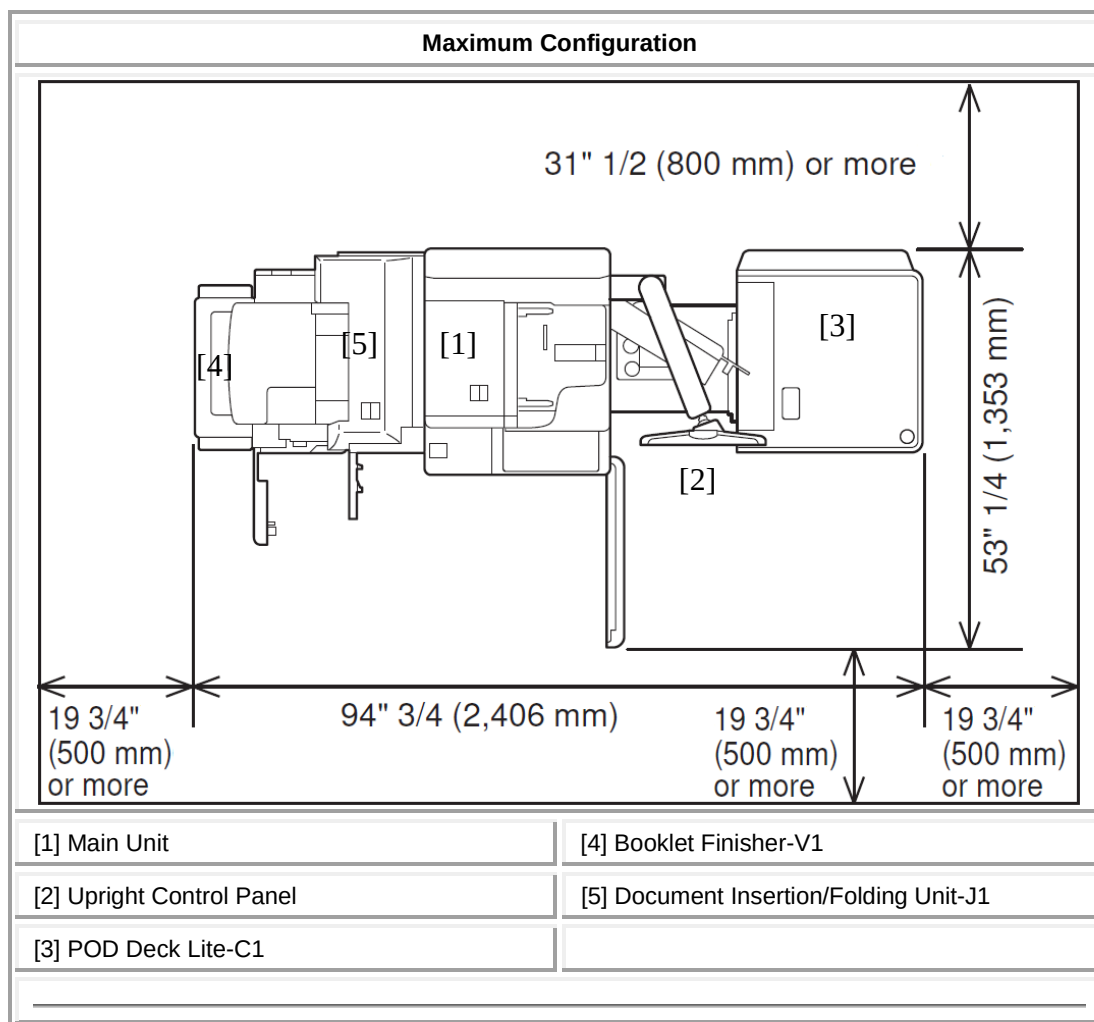
IMPORTANT

- Keep the back of the machine at least 31.5" (800 mm) away from a wall (if the optional Document Insertion Unit-P1 or Document Insertion/Folding Unit-J1 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 31" wide.
- The minimum elevator depth used to transport the machine prior to installation must be at least 58.4" (if the Upright Control Panel is attached) or 24.6" (if the Upright Control Panel is not attached).
- At least 78 3/8" (1,991 mm) in width is necessary to negotiate turns prior to installation.
- The machine should not be moved once it is in place.

3.3.1 Installation Space Diagrams

The approximate installation space requirements may differ, depending on how the machine is configured and the optional accessories attached.



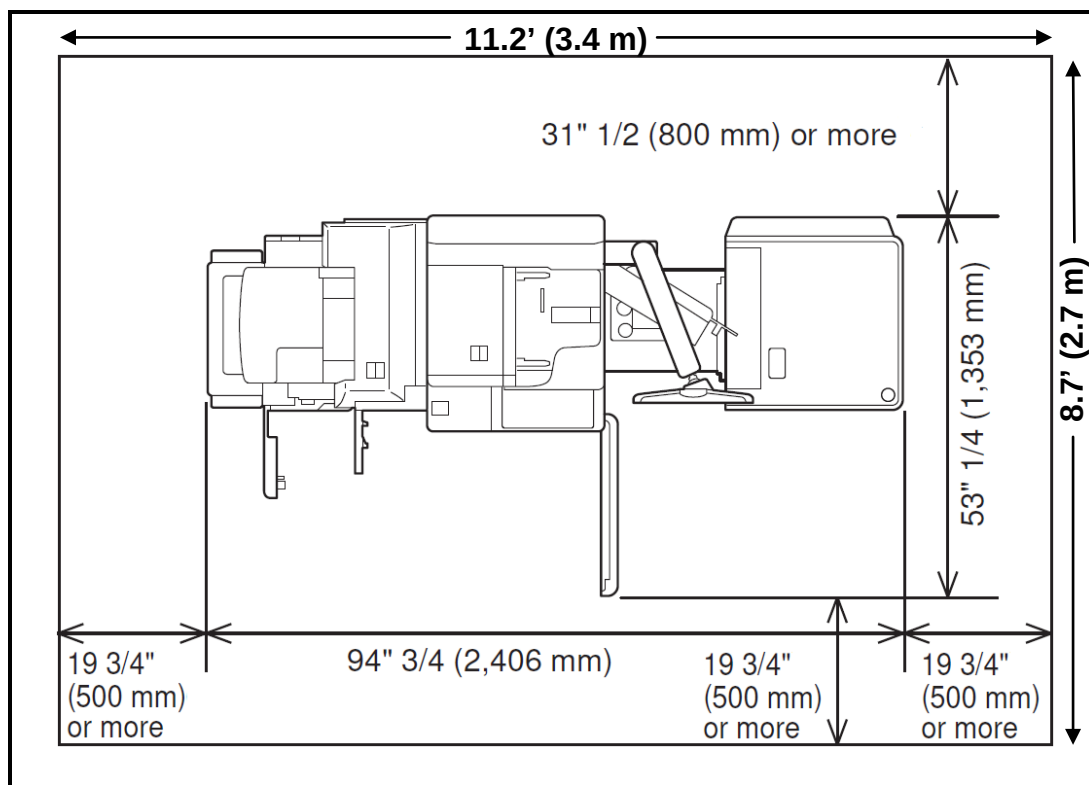


IMPORTANT

- The maximum configuration (fully configured machine) includes the Upright Control Panel, POD Deck Lite-C1, Document Insertion/Folding Unit-J1, and Booklet Finisher-V1.
- The fully configured width of the machine includes opening space for the main unit and the extended tray of the Booklet Finisher-V1.
- There needs to be approximately 1/5" (5 mm) of space in between each accessory attached.

3.4 Recommended Floor Space Requirements

For a fully configured imageRUNNER ADVANCE 6500 Series, it is recommended that there be at least 11.2' (W) x 8.7' (D) of level floor space.



IMPORTANT

- The imageRUNNER ADVANCE 6500 Series was created to be modular in design. Floor space, budget, monthly copy/print volume, and applications will determine which configuration will work best.
- A user can attach either the optional Staple Finisher-V1 or Booklet Finisher-V1 to the machine.
- Only one paper feeding unit (Paper Deck Unit-E1 or POD Deck Lite-C1) can be attached to the machine.

3.5 Floor Structure Requirements

The floor on which this machine is installed must have strength of at least 61.5 lb/ft² (30 kg/m²). If the floor does not have this level of strength, consult a building contractor before installing the machine.

The weight of the machine is distributed on the floor through the adjusters and wheels. Do not install the machine on an unstable floor or platform.

3.6 Network Interface Connectivity

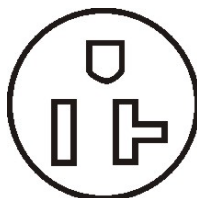
A standard Ethernet 10 Base-T/100 Base-TX/1000 Base-T interface jack (RJ-45) for device installation, monitoring, Mail Box and Advanced Box access via the Remote UI, ships standard with all configurations. A Wireless LAN connection is also standard on all configurations.

Support for up to two USB 3.0 Super-Speed interface ports ships standard with all configurations. One USB port is on the front of the machine to the left of the control panel, and can be used for scanning, printing, direct printing from a USB memory stick, and connecting a USB keyboard. One USB port is on the right of the machine, and should only be used to attach an external hard disk or for servicing.

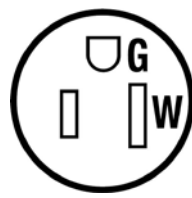
All configurations also support a standard USB 2.0 High Speed connector for direct connection to a computer.

4. Power/Electrical Requirements

The imageRUNNER ADVANCE 6500 Series requires a NEMA 5-20 receptacle for the main unit and a NEMA 5-15 receptacle for the accessories.



NEMA 5-20 Receptacle



NEMA 5-15 Receptacle

4.1 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)
Paper Deck Unit-E1	From the main unit	—	—
POD Deck Lite-C1	From the main unit	—	—
Document Insertion Unit-P1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Document Insertion/Folding Unit-J1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)
Staple Finisher-V1	From the main unit	—	—
Booklet Finisher-V1	From the main unit	—	—
2/3 Puncher-A1	From the main unit	—	—
Copy Card Reader-F1	From the main unit	—	—
imagePASS-Y1	1-120 V/15 A outlet	NEMA 5-15	6.7' (2.0 m)

The following illustration shows the power outlets and voltage requirements of each optional accessory item.



IMPORTANT

- We recommend an additional standard 120 V/15 A receptacle for service tools, such as a laptop computer or vacuum that may be used when servicing or configuring the machine.
- The imageRUNNER ADVANCE 6500 Series main unit requires a dedicated single-phase 120V/20 A NEMA 5-20 receptacle for proper operation. Canon U.S.A., Inc. strongly recommends dedicated and properly grounded receptacles be provided for the optional accessories. 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 6500 Series 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 6500 Series or any computer controlled office equipment requires.
- Before installation, confirm that all necessary receptacles are available.

5. Environmental Factors and Requirements

This section describes the necessary environmental factors and requirements in which the machine should be operated to achieve the best image quality and print results.



NOTE

It may be necessary to use a humidifier or dehumidifier to attain the proper humidity levels for optimal machine performance.

5.1 Temperature and Humidity Conditions

The optimal humidity range is 20% to 80% RH (Relative Humidity) with a room temperature of 50°F to 86°F (10°C to 30°C).

The machine contains intelligent technology that can sense the environmental temperature, and optimize its performance if operated outside the temperature range. However, productivity, paper feeding, image quality, and reliability may be affected if the machine is operated outside of these guidelines.

The machine should not be installed in locations with significant shifts in temperature or humidity. Areas containing water, or equipment that can significantly alter room temperature or humidity, such as a space heater, stove, or portable air conditioner, should be avoided.

The optimal humidity range for storing paper is 25% to 75% RH (Relative Humidity) with a room temperature of 59°F to 81.5°F (15°C to 27.5°C). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality. For example, if the humidity is too high, paper curling and paper jams will increase. If the humidity is too low, paper may shrink or lose resistance, and toner will not adhere to the paper as well.

5.2 Temperature Gradient

Using an air conditioner during the winter, or if a sudden temperature change occurs, may have an adverse effect on image positioning. Sudden temperature changes may cause the paper to bend or contract, cause the machine to malfunction, and form condensation. To avoid these issues, control the temperature gradient so that temperature fluctuations do not exceed 18°F per hour or 10°C per hour.

5.3 Ventilation

Ensure that there is an air exchange rate of at least 1.5 times per hour, and at least 3,885 ft³ (110 m³) of space in the location where the machine will be installed.

This machine generates a slight amount of ozone during normal use. Although sensitivity to ozone may vary, this amount is not harmful. Ozone may be more noticeable during extended use or long production runs, especially in poorly ventilated rooms. It is recommended that the room be appropriately ventilated, sufficient to maintain a comfortable working environment, in areas of machine operation.

5.4 Elevation Limitations

Install this machine at an elevation below 13,123' (4,000 m) and at an air pressure less than 607.8 hPa.

5.5 Lighting

We recommend installing the machine in a location with at least 500 lux (29 1/2" (75 cm) above the floor) for normal operation and maintenance.

5.6 Sunlight

Avoid installing the machine in direct sunlight. Direct sunlight has adverse effects on toner consistency and image quality. If direct sunlight is unavoidable, use curtains to shade the machine. Be sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.

5.7 Ammonia

Avoid installing the machine where ammonia is emitted. In a sufficient amount, ammonia will attack the surfaces of the machine's paper feed and image quality components, thereby shortening their useful life and increasing the need for periodic and remedial maintenance.

A professional assessment of the air quality in the room in which the machine is to be installed is recommended prior to its installation.

6. Specifications

This chapter explains the specifications of the main unit and optional accessories.

The specifications provided are approximate values, for reference only, and are subject to change without notice for product improvement or future release.

6.1 Main Unit

Item	Specifications
Name	Canon imageRUNNER ADVANCE 6575i/6565i/6555i
Type	Reader-, Printer-Separated Console
Developing System	Dry Single Component Toner Projection
Resolution for Writing	Up to 1,200 dpi x 1,200 dpi
Paper Weight and Type	Paper Drawers 1 and 2: Weight: 14 lb bond to 80 lb cover (52 to 220 g/m²) Type:^{*1} Thin 1, Thin 2, Plain 1, Plain 2, Plain 3, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Heavy 5, Color, Recycled^{*2}, Pre-Punched, Bond, and Letterhead Paper Cassettes 3 and 4: Weight: 14 lb bond to 80 lb cover (52 to 220 g/m²) Type:^{*1} Thin 1, Thin 2, Plain 1, Plain 2, Plain 3, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Heavy 5, Color, Recycled^{*2}, Pre-Punched, Bond, and Letterhead Multi-Purpose Tray: Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type:^{*1} Thin 1, Thin 2, Plain 1, Plain 2, Plain 3, Heavy 1, Heavy 2, Heavy 3, Heavy 4, Heavy 5, Color, Recycled^{*2}, Pre-Punched, Transparency^{*3}, Tracing^{*4}, Labels, Tab, Bond, and Letterhead ^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 73. ^{*2} You can use 100% recycled paper. ^{*3} Use only LTR or LTRR transparencies made especially for this machine. ^{*4} Some types of tracing paper cannot be used.
Paper Size	Paper Drawers 1 and 2: LTR Paper Drawers 3 and 4: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Size (5 1/2" x 7 1/8" to 11 3/4" x 19 1/4" (139.7 mm x 182 mm to 297 mm x 487.7 mm)) Multi-Purpose Tray: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Size/Free Size (4" x 5 7/8" to 11 3/4" x 19 1/4" (100 mm x 148 mm to 297 mm x 487.7 mm)) Long length paper (11 3/4" x 24 3/4" (297 mm x 630 mm))

Main Unit Table Continued

Item	Specifications
Warm-Up Time	After Powering ON: Up to 30 seconds Returning from the Sleep mode: Up to 30 seconds Returning from the Energy Saver Mode: Up to 20 seconds Activation time may vary, depending on the environment and conditions under which the machine is being used.
First Copy Output Time	imageRUNNER ADVANCE 6575i Up to 3.1 seconds imageRUNNER ADVANCE 6565i/6555i Up to 3.3 seconds Activation time may vary, depending on the environment and conditions under which the machine is being used.
Margin	Top Margin: 1/8" (2.5 mm) Left and Right Margins: 1/8" (2.5 mm) Bottom Margin: 1/8" (2.5 mm)
Copy Speed (20 lb bond (80 g/m²)) (Except When Paper Is Fed from the Multi-Purpose Tray)	Direct (sheets/minute)
	Black-and-White
	imageRUNNER ADVANCE 6575i
	11" x 17"
	LGL
	LTR
	LTRR
	EXEC
	STMTR
	imageRUNNER ADVANCE 6565i
	11" x 17"
	LGL
	LTR
	LTRR
	EXEC
	STMTR
	imageRUNNER ADVANCE 6555i
	11" x 17"
	LGL
	LTR
	LTRR
	EXEC
	STMTR
Paper Feeding System/ Capacity	Paper Drawers 1 and 2: 1,500 sheets x 2 drawers (20 lb bond (80 g/m ²)) Paper Drawers 3 and 4: 550 sheets x 2 cassettes (20 lb bond (80 g/m ²)) Multi-Purpose Tray: 100 sheets (20 lb bond (80 g/m ²))
Multiple Copies	1 to 9,999 sheets
Operating Noise	imageRUNNER ADVANCE 6575i Up to 69 dB imageRUNNER ADVANCE 6565i/6555i Up to 68 dB
Memory	3 GB RAM (Standard)
Hard Disk	250 GB (Standard), 1 TB (Maximum)
Power Source	120 V AC, 60 HZ, 20 A

Main Unit Table Continued

Item	Specifications
Maximum Power Consumption	Approximately 2.1 kW When in the Sleep Mode: Approximately 0.9 W or less Main Power Turned Off: Quick Startup Settings for Main Power is set to 'Off': Approximately 0.5 W Quick Startup Settings for Main Power is set to 'On': Approximately 0.5 W
Dimensions (H x W x D)	Without the Optional Upright Control Panel: 48" x 26 3/8" x 30 5/8" (1,220 mm x 670 mm x 779 mm) With the Optional Upright Control Panel: 49 1/4"^{*1} x 58 3/8"^{*2} x 30 3/8" (1,252 mm^{*1} x 1,481 mm^{*2} x 770 mm) *1 To the top of the optional Upright Control Panel in the standard position. *2 To the right edge of the optional Upright Control Panel in the extended position.
Weight^{*1}	Without the Optional Upright Control Panel 525.8 lb (238.5 kg) With the Optional Upright Control Panel 534.6 lb (242.5 kg) *1 Includes the toner bottle.
Installation Space (W x D)*1	Without the Optional Upright Control Panel: 60 3/8" x 30 5/8" (1,367 mm x 779 mm) With the Optional Upright Control Panel: 74 3/8"^{*2} x 30 3/8" (1,901 mm^{*2} x 770 mm) *1 When the optional Copy Tray-R1 is attached, and the multi-purpose tray and auxiliary tray are extended. *2 To the right edge of the optional Upright Control Panel in the extended position.

Document Feeder

Item	Specifications
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	11" x 17", LGL, LTR, LTRR, STMT, and STMTR 1-Sided Scanning: Black and White Original: 13 lb bond to 80 lb cover (50 to 220 g/m²) Color Original: 17 lb bond to 80 lb cover (64 to 220 g/m²) 2-Sided Scanning: Black-and-White Original: 13 lb bond to 80 lb cover (50 to 220 g/m²) Color Original: 17 lb bond to 80 lb cover (64 to 220 g/m²) Combinations of document sizes that can be copied/scanned: Same width: 11" x 17" and LTR, or LTRR and STMT Different widths: 11" x 17" and LGL, or LTR and STMT Copying/scanning with a combination other than those above may result in damage to the documents or in paper jams.
Original Tray Capacity	300 sheets (20 lb bond (80 g/m ²))
Original Scanning Speed	Copying: LTR in Black-and-White at 600 dpi: 1-sided scanning: 120 sheets/minute 2-sided scanning: 75 sheets (150 pages)/minute Scanning:^{*1} LTR in Black-and-White at 300 dpi: 1-sided scanning: 120 sheets/minute 2-sided scanning: 120 sheets (240 pages)/minute LTR in Color at 300 dpi: 1-sided scanning: 120 sheets/minute 2-sided scanning: 110 sheets (220 pages)/minute LTR in Color at 600 dpi: 1-sided scanning: 60 sheets/minute 2-sided scanning: 30 sheets (60 pages)/minute ^{*1} The scanning speed may vary, depending on the scanning mode and original type.
Resolution for Reading	Up to 600 dpi x 600 dpi
Number of Gradations	256
Acceptable Originals	Sheet, book, three dimensional objects (up to 4.4 lb (2 kg))

Document Feeder Continued

Item	Specifications
Magnification	Regular paper size: Same Ratio 1:1 Reduction 1:0.78 (LGL → LTR) 1:0.73 (11" x 17" → LGL, 11" x 15" → LTR) 1:0.64 (11" x 17" → LTR) 1:0.50 (11" x 17" → STMT) 1:0.25 Enlargement 1:1.21 (LGL → 11" x 17") 1:1.29 (LTR → 11" x 17") 1:2.00 (STMT → 11" x 17") 1:4.00
	Copy Ratio: 25 to 400% (in 1% increments)

6.2 Paper Deck Unit-E1

Item	Specifications
Paper Size/Weight/Type	Size: LTR Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Bond, and Letterhead ^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 73.
Paper Deck Capacity	3,500 sheets (20 lb bond (80 g/m ²))
Power Source	From the main unit
Maximum Power Consumption	Approximately 44 W
Dimensions (H x W x D)	22 1/2" x 14 1/4" x 24 7/8" (572 mm x 350 mm x 630 mm)
Weight	Approximately 75 lb (34 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 55 1/2" x 30 5/8" (1,410 mm x 779 mm) With the Optional Upright Control Panel: 74 7/8"^{*1} x 30 3/8" (1,901 mm^{*1} x 770 mm) (When the optional Copy Tray-R1 is attached, and the auxiliary tray is extended.) ^{*1} To the right edge of the optional Upright Control Panel in the rightmost position.

6.3 POD Deck Lite-C1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Weight: 14 lb bond to 140 lb cover (52 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Labels, Tab. Bond, and Letterhead ^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 73.
Paper Deck Capacity	3,500 sheets (20 lb bond (80 g/m ²))
Power Source	120 – 127 V AC, 60 Hz, 2.2 A
Maximum Power Consumption	Approximately 480 W maximum
Dimensions (H x W x D)	22 1/2" x 25 7/8" x 27" (570 mm x 656 mm x 686 mm)
Weight	Approximately 149.9 lb (68 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 67 1/8" x 30 5/8" (1,703 mm x 779 mm) With the Optional Upright Control Panel: 74 7/8"^{*1} x 30 3/8" (1,901 mm^{*1} x 770 mm) (When the optional Copy Tray-R1 is attached, and the auxiliary tray is extended.) ^{*1} To the right edge of the optional Upright Control Panel in the rightmost position.

6.4 Document Insertion Unit-P1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, and EXEC Weight: 16 lb bond to 140 lb index (60 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy, Color, Recycled, Tab, Bond, Letterhead, and Coated^{*2} ^{*1} For detailed supported paper weights, see "Media Feed Locations." on p. 73. ^{*2} Coated paper can be loaded into the insertion unit only.
Paper Capacity	100 sheets (20 lb bond (80 g/m ²))
Power Source	100-240 V AC, 50/60 Hz, 1.0 A
Maximum Power Consumption	Approximately 100 W
Dimensions (H x W x D)	48 7/8" x 26 1/8" x 26 3/4" (1,242 mm x 662 mm x 679 mm)
Weight	Approximately 88.2 lb (40 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 71 7/8"^{*1} x 30 3/8" (1,825 mm x 770 mm) With the Optional Upright Control Panel: 93 1/8"^{*2} x 30 3/8" (2,364 mm^{*2} x 770 mm) (When the optional Booklet Finisher-V1 is attached, and the multi-purpose tray and auxiliary tray are extended.) ^{*1} When the right cover of the main unit is open. ^{*2} To the right edge of the optional Upright Control Panel in the rightmost position.

6.5 Document Insertion/Folding Unit-J1

Item	Specifications
Paper Size/Weight/Type	Size: Z-Fold: LTRR, LGL, 11" x 17" C-Fold: LTRR Insertion Unit: LTRR, LGL, 11" x 17", LTR, and EXEC Weight: Z-Fold: 16 to 28 lb bond (60 to 105 g/m²) C-Fold: 16 to 28 lb bond (60 to 105 g/m²) Insertion Unit: 16 lb bond to 140 lb index (60 to 256 g/m²) Type:^{*1} Z-Fold:^{*2} Thin, Plain, Color, and Recycled C-Fold:^{*2} Thin, Plain, Color, and Recycled Insertion Unit: Thin, Plain, Heavy, Color, Recycled, Tab, Bond, Letterhead, and Coated^{*3} ^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 73. ^{*2} Select plain paper if using 25 to 28 lb bond (91 to 105 g/m²) for Z-Fold and C-Fold paper. ^{*3} Coated paper can be loaded into the insertion unit only.
Capacity of the Exit Slot of the Paper Folding Unit	Z-Fold: Depends on the specifications of the output finisher C-Fold: 40 sheets (20 lb bond (80 g/m²)) or 2 3/8" (60 mm) in height
Capacity of the Document Insertion Unit	100 sheets (20 lb bond (80 g/m ²))
Power Source	100-240 V AC, 50/60 Hz, 1.0 A
Maximum Power Consumption	Approximately 120 W
Dimensions (H x W x D)	48 7/8" x 26 1/8" x 26 3/4" (1,242 mm x 662 mm x 679 mm)
Weight	Approximately 168 lb (76 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 78 5/8"^{*1} x 30 5/8" (1,997 mm x 779 mm) With the Optional Upright Control Panel: 93 1/8"^{*2} x 30 3/8" (2,366 mm^{*2} x 770 mm) (When the optional Booklet Finisher-V1 is attached, and the multi-purpose tray and auxiliary tray are extended.) ^{*1} When the right cover of the main unit is open. ^{*2} To the right edge of the optional Upright Control Panel in the rightmost position.

6.6 Copy Tray-R1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Size/Free Size (4" x 5 7/8" to 11 3/4" x 19 1/4" (100 mm x 148 mm to 297 mm x 487.7 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy 1, Heavy 2, Heavy 3, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Bond, and Letterhead ^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 73.
Paper Capacity	250 sheets (20 lb bond (80 g/m ²))
Dimensions (H x W x D)	6 7/8" x 16 1/2"^{*1} x 15" (175 mm x 420 mm x 382 mm) ^{*1} When the auxiliary tray is extended
Weight	Approximately 2.4 lb (1.1 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 60 3/8"^{*1} x 30 5/8" (1,533 mm x 779 mm) With the Optional Upright Control Panel: 74 7/8"^{*2} x 30 3/8" (1,901 mm^{*2} x 770 mm) (When the multi-purpose tray and the auxiliary tray are extended.) ^{*1} When the right cover of the main unit is open. ^{*2} To the right edge of the optional Upright Control Panel in the rightmost position.

6.7 Staple Finisher-V1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Size/Free Size (4" x 5 7/8" to 11 3/4" x 17" (100 mm x 148 mm to 297 mm x 431.8 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, and Coated^{*2} The Eco (Staple-Free) mode cannot be used for heavy paper, transparencies, tracing paper, labels, tab paper, bond paper, letterhead, or coated paper. You cannot staple transparencies, tracing paper, or labels. ^{*1} For detailed supported paper weights, see "Media Feed Locations," on p. 73. ^{*2} Coated paper can be loaded from the insertion unit only.

Staple Finisher-V1 Table Continued

Item	Specifications
Capacity Per Tray	No Collating/Collate/Group Tray A: LTR, STMTR, EXEC: 250 sheets (or 1 7/8" (47 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 1" (24 mm) in height) Tray B: LTR, STMTR, EXEC: 250 sheets (or 1 7/8" (47 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 1" (24 mm) in height) Tray C: LTR, EXEC, STMTR: 3,000 sheets (or 16 5/8" (423 mm) in height) ^{*1} 11" x 17", LGL, LTRR: 1,500 sheets (or 8 1/2" (216 mm) in height)
	Offset Mode (Collate/Group) Tray A: LTR, EXEC: 250 sheets (or 7/8" (47 mm) in height) ^{*1} 11" x 17", LTR: 125 sheets (or 1" (24 mm) in height) Tray B: LTR, EXEC: 250 sheets (or 7/8" (47 mm) in height) ^{*1} 11" x 17", LTR: 125 sheets (or 1" (24 mm) in height) Tray C: LTR, EXEC: 3,000 sheets (or 16 5/8" (423 mm) in height) ^{*1} 11" x 17", LGL, LTRR: 1,500 sheets (or 8 1/2" (216 mm) in height)
	No Collating, Collate, and Group Modes with Different Paper Sizes Tray C: 1,500 sheets (or 8 1/2" (216 mm) in height)
	Z-Fold Mode (When the Document Insertion/Folding Unit-H1 Is Attached) Tray C: 11" x 17": Up to 30 sheets LTRR, LGL: Up to 10 sheets
	Corner Stapling and Double Stapling Tray C: LTR, EXEC: Up to 3,000 sheets (200 sets (or 16 5/8" (423 mm) in height) 11" x 17", LTRR, LGL: Up to 1,500 sheets (100 sets (or 8 1/2" (216 mm) in height)
	Staple-Free (Eco) Tray C: 11" x 17" and LTR: 200 sets
	^{*1} Up to 650 sheets (or 3 3/4" (96 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m ²) is selected.

Staple Finisher-V1 Table Continued

Item	Specifications
Max. Stapling Capacity/Available Staple Size	Corner Stapling and Double Stapling LTR, EXEC: 65 sheets (24 lb bond (90 g/m ²)) 11" x 17", LGL, LTRR: 30 sheets (24 lb bond (90 g/m ²)) Corner Stapling and Double Stapling 11" x 17", LTR: 5 sheets (14 to 17 lb bond (52 to 64 g/m ²)) 4 sheets (17.3 to 21.7 lb bond (55 to 81.4 g/m ²)) 3 sheets (21.7 to 28 lb bond (81.5 to 105 g/m ²)) Manual Stapling 65 sheets (24 lb bond (90 g/m ²)) Quantities are when the standard staple cartridge is attached. The maximum stapling capacity may vary, depending on the paper type and weight.
Power Source	From the main unit
Maximum Power Consumption	Approximately 176 W or less (Including the Puncher unit)
Dimensions (H x W x D)	When the auxiliary tray is not extended 43 1/4" x 20 5/8" x 24 1/2" (1,099 mm x 525 mm x 623 mm)
	When the auxiliary tray is extended 45 3/4" x 24 3/4" x 24 1/2" (1,163 mm x 627 mm x 623 mm)
Weight	Approximately 77.2 lb (35 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 68 3/4" ^{*1} x 30 5/8" (1,745 mm x 779 mm)
	With the Optional Upright Control Panel: 83 1/4" ^{*2} x 30 3/8" (2,113 mm ^{*2} x 770 mm) When the multi-purpose tray and auxiliary tray are extended. *1 When the right cover of the main unit is open. *2 To the right edge of the optional Upright Control Panel in the rightmost position.

6.8 Booklet Finisher-V1

Item	Specifications
Paper Size/Weight/Type	Size: 11" x 17", LGL, LTR, LTRR, EXEC, STMTR, and Custom Size/Free Size (7 3/4" x 10 5/8" to 12" x 18" (195 mm x 270 mm to 304.8 mm x 457.2 mm)) Weight: 14 lb bond to 140 lb index (52 to 256 g/m²) Type:^{*1} Thin, Plain, Heavy, Color, Recycled, Pre-Punched, Transparency, Tracing, Labels, Tab, Bond, Letterhead, and Coated^{*2} The Eco (Staple-Free) mode cannot be used for heavy paper, transparencies, tracing paper, labels, tab paper, bond paper, letterhead, or coated paper. You cannot staple transparencies, tracing paper, or labels. *1 For detailed supported paper weights, see "Media Feed Locations," on p. 73. *2 Coated paper can be loaded from the insertion unit only.

Booklet Finisher-V1 Table Continued

Item	Specifications
Capacity Per Tray	No Collating/Collate/Group Tray A: LTR, STMTR, EXEC: 250 sheets (or 1 7/8" (47 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 1" (24 mm) in height) Tray B: LTR, STMTR, EXEC: 250 sheets (or 1 7/8" (47 mm) in height) 11" x 17", LGL, LTRR: 125 sheets (or 1" (24 mm) in height) Tray C: LTR, EXEC, STMTR: 3,000 sheets (or 16 5/8" (423 mm) in height) ^{*1} 11" x 17", LGL, LTRR: 1,500 sheets (or 8 1/2" (216 mm) in height)
	Offset Mode (Collate/Group) Tray A: LTR, EXEC: 250 sheets (or 7/8" (47 mm) in height) ^{*1} 11" x 17", LTR: 125 sheets (or 1" (24 mm) in height) Tray B: LTR, EXEC: 250 sheets (or 7/8" (47 mm) in height) ^{*1} 11" x 17", LTR: 125 sheets (or 1" (24 mm) in height) Tray C: LTR, EXEC: 3,000 sheets (or 16 5/8" (423 mm) in height) ^{*1} 11" x 17", LGL, LTRR: 1,500 sheets (or 8 1/2" (216 mm) in height)
	No Collating, Collate, and Group Modes with Different Paper Sizes Tray C: 1,500 sheets (or 8 1/2" (216 mm) in height)
	Z-Fold Mode (When the Document Insertion/Folding Unit-H1 Is Attached) Tray C: 11" x 17": Up to 30 sheets LTRR, LGL: Up to 10 sheets
	Corner Stapling and Double Stapling Tray C: LTR, EXEC: Up to 3,000 sheets (200 sets (or 16 5/8" (423 mm) in height) 11" x 17", LTRR, LGL: Up to 1,500 sheets (100 sets (or 8 1/2" (216 mm) in height)
	Staple-Free (Eco) Tray C: 11" x 17" and LTR: 200 sets
	^{*1} Up to 650 sheets (or 3 3/4" (96 mm) in height) when thin paper or custom paper lighter than 16 lb bond (59 g/m ²) is selected.

Booklet Finisher-V1 Table Continued

Item	Specifications
Max. Stapling Capacity/ Available Staple Size	When the Standard Staple Cartridge Is Attached: (The maximum stapling capacity may vary, depending on the paper type and weight.) Corner Stapling and Double Stapling LTR, EXEC: 65 sheets (24 lb bond (90 g/m²)) 11" x 17", LGL, LTRR: 30 sheets (24 lb bond (90 g/m²)) Staple-Free 11" x 17", LGL, LTRR: 5 sheets (14 to 17 lb bond (52 to 64 g/m²)) 4 sheets (17.3 to 21.7 lb bond (65 to 81.4 g/m²)) 3 sheets (21.7 to 28 lb bond (52 to 64 g/m²)) Manual Staple 65 sheets (24 lb bond (90 g/m²))
Maximum Saddle Stitch Capacity/Available Saddle Stitch Size	Saddle Stitch: 20 sheets/10 sets (22 lb bond (81 g/m²)) (Including 1 cover sheet up to 140 lb index (256 g/m²)) Saddle Folding: 3 sheets/25 sets (14 to 28 lb bond (50 to 105 g/m²)) Size: 11" x 17", LGL, and LTRR, and Custom Size (5 1/2" x 7 1/8" to 11 3/4" x 17" (139.7 mm x 182 mm to 297 mm x 431.8 mm)) Cover Weight: Requires the paper weight of the main document. (more than 17 lb bond (64 g/m²)) or more.
Power Source	From the main unit.
Maximum Power Consumption	Approximately 176 W (Including the Puncher Unit)
Dimensions (H x W x D)	When the auxiliary tray is not extended 43 1/4" x 20 5/8" x 24 1/2" (1,099 mm x 525 mm x 623 mm) When the auxiliary tray is extended 45 3/4" x 24 3/4" x 24 1/2" (1,163 mm x 627 mm x 623 mm)
Weight	Approximately 127.9 lb (58 kg)
Installation Space Including the Main Unit (W x D)	Without the Optional Upright Control Panel: 62"^{*1} x 30 3/8" (1,574 mm x 770 mm) With the Optional Upright Control Panel: 83 1/4"^{*1} x 30 3/8" (2,113 mm^{*2} x 770 mm) (When the multi-purpose tray and auxiliary tray are extended.) ^{*1} When the right cover of the main unit is open. ^{*2} To the right edge of the optional Upright Control Panel in the rightmost position.

6.9 Copy Card Reader-F1

Item	Specifications
Available Cards	Magnetic
Card Readout Method	Magnetic readout
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 13/16" (40 mm x 88 mm x 96 mm)
Weight	Approximately 7.1 oz (200 g) (Including the attachment kit and cable.)

6.10 2/3 Hole Puncher Unit-A1

Item	Specifications
Paper Size/Weight/Type	Size
	Two Holes: 11" x 17", LGL, LTR, LTRR, and EXEC Three Holes: 11" x 17", LTR, and EXEC
	Weight
	14 lb bond to 140 lb index (52 to 256 g/m ²)
Punch Hole Quantity, Hole Diameter	Type
	Thin, Plain, Bond, Heavy, Color, Recycled, Pre-punched, Tab, Bond, Letterhead, and Coated
	Two or three holes: 3/8" (8mm)
	Distance Between Punch Holes
Punch Waste Tray Capacity	Two Holes: 2 3/4" (70 mm) Three Holes: 4 1/4" (108 mm)
	Two Holes: Approximately 10,000 sheets (18.1 lb bond (68 g/m ²)) Three Holes: Approximately 3,000 sheets (20 lb bond (75 g/m ²))
	Actual capacity may differ, depending on the surrounding environment, paper type, and paper weight.
	Power Source
Power Source	From the main unit.
Dimensions (H x W x D)	Inside the finisher
Weight	Approximately 6.7 lb (3 kg)

6.11 Super G3 FAX Board-AS1

Protocol	Specifications ^{*1}
Telephone Line Used ^{*2}	Public Switched Telephone Network
Scan Line Density (Scan, Transmission)	Normal: 8 pels ^{*3} /mm x 3.85 line/mm Fine: 8 pels ^{*3} /mm x 7.7 line/mm Super-Fine: 8 pels ^{*3} /mm x 15.4 line/mm Ultra-Fine: 16 pels ^{*3} /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 Paper Sizes	11" x 17" to STMTR
Transmission Time	JBIG: Approximately 2.6 seconds
Auto Dial Function	Address Book: 1,800 destinations (Including destinations stored in one-touch buttons.)
Image Memory	Approximately 6,000 pages

*1 The specifications remain the same even when the optional Super G3 2nd Line Fax Board-AS1 or Super G3 3rd/4th Line Fax Board-AS1 is installed.

*2 If an IP telephone service is used, facsimile communications may not be performed normally via an IP telephone line. It is recommended to use a general telephone (Public Switched Telephone Network) line for facsimile communications.

*3 Pels stands for picture elements (pixels).

7. System Options

The functionality of the imageRUNNER ADVANCE 6500 Series can be expanded by installing system related optional accessories. This section describes the system related optional accessories and their functions.

7.1 Copy and Print Options

7.1.1 imagePASS-Y1

The imagePASS-Y1 Printer Kit is a standalone printer controller. The imagePASS print controller supports Adobe Genuine PostScript 3, PCL/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.

The table below represents the hardware specifications for the imagePASS-Y1 print controller.

Item	Specifications
Network OS	Windows 7 Professional FES (x64)
CPU	Intel Pentium Dual Core G850 2.9 GHz
RAM	4 GB (2 x 2 GB)
HDD	500 GB SATA
Fiery System Software	FS150
Supported PDL	PostScript 3 CPSI 3020
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	- Fiery Suite (Impose and Compose) - Fiery Impose - Fiery Compose - ImageViewer for B&W Kit - Graphical User Interface Kit - Removable Hard Disk Drive Kit - Integrated Interface and Stand-B1

NOTE

- The imagePASS-Y1 does not support the Encrypted Secure Print software or the Job Hold function.
- UFR II (Ultra Fast Rendering II) is not supported.

7.1.2 Barcode Printing Kit-D1

The Barcode Printing Kit-D1 option provides the ability to print 1D and 2D barcodes on output.



NOTE

To enable the Barcode Printing Kit-D1 option, it must be activated by registering a license key.

7.1.3 Secure Watermark-B1

The Secure Watermark-B1 option enables the user to embed hidden text in the background of copies. The embedded text only appears when the machine prints the copies.



NOTE

- To enable the Secure Watermark-B1 option, it must be activated by registering a license key.
- The Secure Watermark-B1 option cannot be used with the optional Document Scan Lock Kit-B1.

7.1.4 PCL International Font Set-A1

The PCL International Font Set-A1 enables the user to add the following fonts for a PCL printer. As a result, the user can output using multiple languages in a SAP Unicode environment.

Andale® and WorldType® Collection J (Japanese Version)
 Andale® and WorldType® Collection K (Korean Version)
 Andale® and WorldType® Collection S (Simplified Chinese Version)
 Andale® and WorldType® Collection T (Traditional Chinese Version)

In order to support differences in character design depending on the region, four font versions are enabled.



NOTE

To enable the PCL International Font Set-A1 option, it must be activated by registering a license key.

7.2 Universal Send and Fax Options

7.2.1 Universal Send Trace and Smooth Kit-A1

The Trace and Smooth mode enables users to convert the text and line drawings of a scanned image to scalable outline data. The outline data (trace) can be extracted and used in Adobe Illustrator. The smoothing process can also be applied to the text of the outline data to make it appear less jagged when viewed on a computer monitor or in print.



NOTE

To enable the Universal Send Trace and Smooth Kit-A1 option, it must be activated by registering a license key.

7.2.2 Universal Send Advanced Feature Set-H1

The Universal Send Advanced Feature Set-H1 enables the user to make Trace & Smooth PDF, Searchable PDF/XPS, and Adobe Reader Extensions PDF files.



NOTE

- For more information on the Universal Send Advanced Feature Set-H1 modes, see the *Optional Products/Software e-Manual*.
- To enable the functions of the Universal Send Advanced Feature Set-H1, it must be activated by registering a license key.

7.2.3 Universal Send Security Feature Set-D1

The 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. It also enables the recipient of a PDF or Digital Device Signature PDF/XPS file to verify which device scanned it.



NOTE

To enable the functions of the Universal Send Security Feature Set-D1, it must be activated by registering a license key.

7.2.4 Universal Send Digital User Signature Kit-C1

The 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.



NOTE

A license key issued by a certificate authority must be registered to activate the Universal Send Digital User Signature Kit-C1.

7.2.5 Super G3 FAX Board-AS1

The Super G3 FAX Board-AS1 enables the user to send and receive fax documents. Documents that have been created in applications can also be sent directly from a user's computer via a network.



NOTE

The Canon Fax Driver is supplied with the Super G3 FAX Board-AS1. It enables the user to send fax images from a computer via the machine.

7.2.6 Super G3 2nd Line Fax Board-AS1

The Super G3 2nd Line Fax Board-AS1 provides two lines to send and receive fax documents.



NOTE

The Super G3 FAX Board-AS1 is required.

7.2.7 Super G3 3rd/4th Line Fax Board-AS1

The Super G3 3rd/4th Line Fax Board-AS1 provides three or four lines to send and receive fax documents.



NOTE

The Super G3 FAX Board-AS1 and Super G3 2nd Line Fax Board-AS1 are required.

7.2.8 Remote Fax Kit-A1

The Remote Fax Kit-A1 enables the user to share the Fax function on an imageRUNNER ADVANCE machine (with the Remote Fax Kit) with another imageRUNNER ADVANCE machine (that has a fax board installed) on the same network. Fax documents can be sent and received via an imageRUNNER ADVANCE machine with a fax board from an imageRUNNER ADVANCE machine that has the Remote Fax Kit-A1.



NOTE

- To enable the functions of the Remote Fax Kit-A1, it must be activated by registering a license key.
- The Remote Fax Kit-A1 and Super G3 FAX Board-AS1 cannot be installed at the same time.

7.2.9 IP Fax Expansion-B1

The IP Fax Expansion-B1 enables the device to send and receive faxes through the IP Fax network.

**NOTE**

To enable the IP Fax Expansion-B1 option, it must be activated by registering a license key.

7.3 Web Access Software-K1

The Web Access Software-K1 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.

7.4 Data Security and Wireless Options

7.4.1 Encrypted Secure Print Software-D1

The Encrypted Secure Print Software-D1 enables the user to encrypt print data sent from a computer using the Secured Print function and decrypt it at the machine. This strengthens the security of print data by preventing the content of printed documents from being seen by other users, and preventing the unauthorized use of confidential information.



NOTE

To use the Encrypted Secure Print Software-D1, it must be activated by registering a license key.

7.4.2 imageRUNNER ADVANCE Security Kit-M1 for IEEE 2600 Common Criteria Certification

The imageRUNNER ADVANCE Security Kit-M1 for IEEE 2600 Common Criteria Certification enables the machine to operate in a restrictive commercial information processing environment in which a relatively high level of document security, operational accountability, and information assurance are required. The typical information processed in this environment is trade secret, mission critical, or subject to legal and regulatory considerations, such as for privacy or governance.



NOTE

- To enable the imageRUNNER ADVANCE Security Kit-M1 for IEEE 2600 Common Criteria Certification option, it must be activated by registering a license key.
- The Security Kit-M1 will be made available after product launch.

7.4.3 HDD Data Mirroring Kit-J1

The HDD Data Mirroring Kit-J1 provides redundancy when utilized with an additional hard disk drive of the same storage capacity. This maintains system uptime and preserves company data in the instance of a hard drive failure.



IMPORTANT

Installing the HDD Data Mirroring Kit-J1 (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 is backed up prior to installing the HDD Data Mirroring Kit-J1.



NOTE

- The engine HDD and the HDD used for mirroring must be of the same storage capacity.
- If the machine has the standard 2.5inch/250 GB HDD, an additional optional 2.5inch/250 GB HDD-N1 is required to back up the data using the HDD Data Mirroring Kit-J1.
- If the machine had the standard 2.5inch/250 GB HDD replaced with the optional 2.5inch/1 TB HDD-P1, an additional optional 2.5inch/1 TB HDD-P1 is required to back up the data using the HDD Data Mirroring Kit-J1.

7.4.4 Removable Hard Disk Drive Kit-AL1

The Removable Hard Disk Drive Kit-AL1 enables the hard disk of the machine to be removed while the machine is unattended or not in use. This kit 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. The kit includes a carrying case and a key to enable easy removal and storage.

7.4.5 Document Scan Lock Kit-B1

The 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. This helps to reduce the risk of confidential information from being leaked. The Document Scan Lock Kit-B1 also 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).

The Image Data Analyzer Board-B1, which is needed to detect the scan lock information, restrict unauthorized copying, and analyze the tracking information is included with this kit.

NOTE

- To enable the functions of the Document Scan Lock Kit-B1, it must be activated by registering a license key.
- The Document Scan Lock Kit-B1 cannot be used with the optional Secure Watermark-B1.

7.4.6 2.5 inch/250 GB HDD-N1

Attach the optional 2.5 inch/250 GB HDD-N1 to the machine to enable HDD Mirroring.

NOTE

- The 2.5 inch/250 GB HDD-N1 is necessary if a user wants to perform HDD Mirroring with the HDD Data Mirroring Kit-J1.
- The 2.5 inch/250 GB HDD-N1 does not increase the overall storage capacity of the machine.
- If the machine has the standard 2.5inch/250 GB HDD, an additional optional 2.5inch/250 GB HDD-N1 is required to back up the data using the HDD Data Mirroring Kit-J1.
- If the machine had the standard 2.5inch/250 GB HDD replaced with the optional 2.5inch/1 TB HDD-P1, an additional optional 2.5inch/1 TB HDD-P1 is required to back up the data using the HDD Data Mirroring Kit-J1.

7.4.7 2.5 inch/1 TB HDD-P1

Replace the machine's standard 250 GB hard disk drive with the 2.5 inch/1 TB HDD-P1 to increase the HDD capacity.



NOTE

If the machine is configured with an optional 2.5inch/1 TB HDD-P1, an additional optional 2.5inch/1 TB HDD-P1 is required to back up the data using the HDD Data Mirroring Kit-J1.

7.5 Accessibility Options

7.5.1 Voice Guidance Kit-G1

The Voice Guidance Kit-G1 provides visually impaired users to hear voice navigation instructions when operating the machine.

7.5.2 Voice Operation Kit-D1

The Voice Operation Kit-D1 allows visually impaired users to hear voice navigation instructions when operating the machine. This includes a voice recognition function, which enables the user to set various functions of the machine by using their own voice.

7.5.3 ADF Access Handle-A1

The ADF Access Handle-A1 attaches to the Automatic Document Feeder to enable seated users to open the document feeder.

7.6 Serial Interface Kit-K2

The Serial Interface Kit-K2 captures signals from the machine and consolidates them into a serial interface that can be used by third party vending hardware to enable the machine and bill for copy jobs. It must be used in conjunction with approved third party developers.

7.7 Other imageRUNNER ADVANCE 6500 Series Main Unit Accessory Options

- Braille Label Kit-F1
- Copy Control Interface Kit-A1 (Print-for-Pay solution)

8. Installation Review

This chapter describes the necessary number of technicians required to install the machine properly, the time required to install the main unit and optional equipment, and customer installation responsibilities.

8.1 Installation Time

The time required to install the imageRUNNER ADVANCE 6500 Series depends on the options and accessories to be installed, and the number of technicians performing the installation. Customers should discuss the time requirements with their servicing dealer and schedule the installation accordingly.

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 one (1) experienced technician.

Description	Estimated Time
imageRUNNER ADVANCE 6500 Series – Main Unit	30 minutes
Upright Control Panel	24 minutes
Paper Deck Unit-E1	8 minutes
POD Deck Lite-C1	10 minutes
Staple Finisher-V1	5 minutes
Booklet Finisher-V1	6 minutes
2/3 Hole Puncher-A1	6 minutes
Card Reader-F1 with Standard Control Panel	12 minutes
Card Reader-F1 with Optional Upright Control Panel	8 minutes
Document Insertion Unit-P1	14 minutes
Document Insertion/Folding Unit-J1	15 minutes
Super G3 FAX Board-AS1	5 minutes
Super G3 2nd Line Fax Board-AS1	7 minutes
Super G3 3rd/4th Line Fax Board-AS1	6 minutes
Voice Guidance Kit-G1	11 minutes
Voice Operation Kit-D1 with Standard Control Panel	9 minutes
Voice Operation Kit-D1 with Optional Upright Control Panel	10 minutes
Removable HDD Kit-AL1	16 minutes
HDD Data Mirroring Kit-J1	18 minutes
2.5 inch/250 GB HDD-N1	9 minutes
2.5 inch/1TB HDD-P1	9 minutes
imagePASS-Y1	45 minutes
Copy Tray-R1	1 minute
Copy Control Interface Kit-A1	7 minutes
Serial Interface Kit-D1	8 minutes

8.2 Customer Installation Responsibilities

Item	Comment
Identify location for equipment.	Area meets space and service space requirements.
Verify strength of floor and level.	Certified by structural engineers.
Ensure that the equipment can be delivered to the site.	Path is clear and unobstructed.
Confirm proper electrical outlets and power are available.	Dedicated power, and enough outlets for equipment (including accessories).
Area meets environmental specifications.	Temperature and humidity are within specifications, venting provided if necessary.
Network connections available.	Required to activate ULM (standard) and other options.
Security systems and backup plan for data and storage available.	Highly recommended.
TPM key backup plan.	Must have a TPM key backup plan when the TPM setting is activated.



NOTE

For more information on backing up data, see “Backing Up/Exporting Data,” in the *Before Using This Machine* manual.

9. Consumable Items

Consumable items are all products and materials that are consumed with regular use and cannot be reused. Such consumables are included but not limited to paper, chemicals, and toner.

A number of factors go into the approximate life expectancy of a consumable item, including paper size and the amount of coverage per page.

The Usage Conditions and Consumables tables below state the estimated life expectancy yields based on LTR size paper. Using paper larger than LTR reduces the supply yields and parts life accordingly.

9.1 Usage Conditions

Operate the machine within the following usage conditions to achieve optimal machine performance.

Item		Condition
Operating Temperature		50°F to 86°F (10°C to 30°C)
Operating Humidity		20% to 80%
Optimal Performance Range	imageRUNNER ADVANCE 6575i	30,000 to 150,000 ^{*1}
	imageRUNNER ADVANCE 6565i	25,000 to 110,000 ^{*1}
	imageRUNNER ADVANCE 6555i	20,000 to 70,000 ^{*1}
Image Ratio		6%

^{*1} Based on 20 lb LTR size paper, and under the above optimal environmental conditions.

9.2 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 then should be replaced as needed. Examples of consumable parts include, but are not limited to feed rollers, cleaning blades, and fixing assembly components.

An estimated consumable parts life is provided 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 U.S.A., Inc. 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.

9.2.1 Estimated Life of Consumables

Item	Part Number	Quantity	Estimated Life ^{*1} (Copies/Prints)	Remarks
GPR 37/38 Drum	3765B003AA	1	6,000,000	
GPR-38 Black Toner	3766B003AA	1	56,000	6% image ratio 40,000 pages estimated life in pages on a new machine ^{*2}

*1 Estimated life is based on LTR paper, single-sided print, and a 6% image ratio.

*2 For new machines, the estimated life of the first toner bottle is shorter because some toner is used to replenish the developing assembly and the buffer unit.

10. Toner Bottle Yields

The black toner bottle holds approximately 4.96 lb (2,250 g) of toner, and yields approximately 56,000 impressions at 6% coverage on LTR size paper.

11. Waste Toner Yields

The imageRUNNER ADVANCE 6500 Series uses a replaceable waste toner container, which collects the waste toner during the printing process.

The operator should replace the waste toner container when indicated by the machine. The waste container full condition varies according to the environment and image ratio:

Temperature/ Humidity	Moisture Content	Image Ratio (%)					
		0 to <1	1 to <2	2 to <3	3 to <4	4 to <5	5 to <6
73.4° F (23° C)/ 5%	0.86	1,000,000 pages			800,000 pages	700,000 pages	600,000 pages
73.4° F (23° C)/ 10%	1.73						
73.4° F (23° C)/ 30%	5.8						
73.4° F (23° C)/ 50%	8.9						
80.6° F (27° C)/ 70%	15	750,000 pages	700,000 pages	650,000 pages	500,000 to 550,000 pages		
82.4° F (28° C)/ 75%	18						
86° F (30° C) / 80%	21.6						

When the message is displayed to prepare a new waste toner container, up to an additional 100,000 sheets of LTR paper at a 5%-6% image ratio can be printed before the waste toner container must be replaced.

When the waste toner container becomes completely full, the imageRUNNER ADVANCE 6500 Series stops. The operator or service technician can replace the full waste toner container with a new waste toner container. However, only a service technician can empty the full waste toner container and dispose of the toner waste in a manner that is applicable to the laws in the geographical area where the machine is located. If new waste toner containers are always used, it is recommended that the customer maintain a supply of waste toner containers for replacement when necessary.

The full waste toner container can also be reused. However, only a service technician is authorized to empty the waste toner from the container and clean the container. In this case, it is recommended that the customer keep one spare container to be used as a replacement while the service technician is contacted to empty and clean the full waste toner container.

12. Optimum Monthly Product Performance

The table below describes the differences between the optimum PCV (Print Copy Volume), average PCV, maximum PCV, and duty cycle. Please note that the numbers in the table are for reference purposes only, and depend strongly on the type of media selected and environmental conditions. For information on the optimal environmental conditions for the machine, see [Environmental Factors and Requirements](#) on p. 31.

Monthly PCV Type		Number of Prints/Copies	Description
Optimum PCV	6575i	Approximately 25,000 to 110,000	This is the print/copy volume range that the equipment was intended to run on a regular basis to maintain a high level of performance and print/copy quality. Running the equipment within this range ensures that no undue stress is placed on components, and it allows time for the proper servicing and maintenance of the equipment.
	6565i	Approximately 20,000 to 70,000	
	6555i	Approximately 20,000 to 70,000	
Maximum PCV	6575i	Up to 350,000	This is the maximum number of pages the machine can produce within a one-month period. However, sustained use of the machine at this print/copy level will impact the long term performance and durability of the machine. It is recommended to stay within the optimum print/copy volume to reduce a possible increase in servicing and maintenance issues.
	6565i	Up to 280,000	
	6555i	Up to 230,000	



IMPORTANT

If the machine consistently runs at or above the maximum PCV, consider purchasing additional machines or higher volume machines.

13. Machine Productivity

This chapter describes the productivity of the imageRUNNER ADVANCE 6500 Series.

13.1 Print Speed

One of the key features of the imageRUNNER ADVANCE 6500 Series is its print speed technology. The imageRUNNER ADVANCE 6575i prints a black-and-white, letter-sized sheet of plain paper weighing 17 to 24 lb bond (64 to 90 g/m²) at 75 ppm. The imageRUNNER ADVANCE 6565i prints a black-and-white, letter-sized sheet of plain paper weighing 17 to 24 lb bond (64 to 90 g/m²) at 65 ppm. The imageRUNNER ADVANCE 6555i prints a black-and-white, letter-sized sheet of plain paper weighing 17 to 24 lb bond (64 to 90 g/m²) at 55 ppm.

There is an impact on print speed if the user is printing on paper of different sizes, weights, media, and if the user is printing double sided jobs. For more information, see [“Mixed Paper Weight Job Productivity,”](#) on p. 69.

The tables below describe the printing speeds one should expect when printing one- or two-sided documents on the indicated paper size and type.

Print Speed Table – imageRUNNER ADVANCE 6575i

Paper Type ^{*1}	Mode	Size	Productivity (ppm)	
			Paper Drawers and Deck	Multi-Purpose Tray
Plain	1-Sided	LTRR	35.0	35.0
		LGL	58.0	45.0
		11" x 17"	37.0	33.0
		12" x 18"	37.0	33.0
		13" x 19"	37.0	33.0
	2-Sided	LTRR	17.5	17.5
		LGL	29.0	22.5
		11" x 17"	18.5	16.5
		12" x 18"	18.5	16.5
		13" x 19"	18.5	16.5
Heavy	1-Sided	LTRR	35.0	35.0
		LGL	50.0	45.0
		11" x 17"	39.0	39.0
		12" x 18"	32.0	32.0
		13" x 19"	32.0	32.0
	2-Sided	LTRR	17.5	17.5
		LGL	25.0	22.5
		11" x 17"	19.5	19.5
		12" x 18"	16.0	16.0
		13" x 19"	16.0	16.0
Bond	1-Sided	LTR	35.0	35.0
		LTRR	24.0	24.0
	2-Sided	LTR	17.5	17.5
		LTRR	12.0	12.0
Tab	1-Sided	LTR	59.0	—
Transparency	1-Sided	LTR	—	53.0
		LTRR	—	45.0

*1 For detailed supported paper weights, see [“Media Feed Locations,”](#) on p. 73.

Print Speed Table – imageRUNNER ADVANCE 6565i

Paper Type ^{*1}	Mode	Size	Productivity (ppm)	
			Paper Drawers and Deck	Multi-Purpose Tray
Plain	1-Sided	LTR/EXEC	65.0	
		LTRR	35.0	35.0
		LGL	50.0	39.0
		11" x 17"	39.0	33.0
		12" x 18"	32.0	29.0
		13" x 19"	32.0	29.0
	2-Sided	LTR/EXEC		
		LTRR	17.5	17.5
		LGL	25.0	19.5
		11" x 17"	19.5	16.5
		12" x 18"	16.0	14.5
		13" x 19"	16.0	14.5
Heavy	1-Sided	LTR/EXEC		
		LTRR	35.0	35.0
		LGL	43.0	39.0
		11" x 17"	33.0	33.0
		12" x 18"	27.0	27.0
		13" x 19"	27.0	27.0
	2-Sided	LTR/EXEC		
		LTRR	17.5	17.5
		LGL	21.5	19.5
		11" x 17"	16.5	16.5
		12" x 18"	13.5	14.5
		13" x 19"	13.5	14.5
Bond	1-Sided	LTR	30.0	30.0
		LTRR	21.0	21.0
	2-Sided	LTR	15.0	15.0
		LTRR	10.5	10.5
Tab	1-Sided	LTR	51.0	—
Transparency	1-Sided	LTR	—	46.0
		LTRR	—	39.0

*1 For detailed supported paper weights, see ["Media Feed Locations,"](#) on p. 73.

Print Speed Table – imageRUNNER ADVANCE 6555i

Paper Type ^{*1}	Mode	Size	Productivity (ppm)	
			Paper Drawers and Deck	Multi-Purpose Tray
Plain	1-Sided	LTR/EXEC	55.0	
		LTRR	35.0	35.0
		LGL	43.0	39.0
		11" x 17"	39.0	33.0
		12" x 18"	32.0	29.0
		13" x 19"	32.0	29.0
	2-Sided	LTR/EXEC		
		LTRR	17.5	17.5
		LGL	21.5	19.5
		11" x 17"	19.5	16.5
		12" x 18"	16.0	14.5
		13" x 19"	16.0	14.5
Heavy	1-Sided	LTR/EXEC		
		LTRR	35.0	35.0
		LGL	43.0	39.0
		11" x 17"	33.0	33.0
		12" x 18"	27.0	27.0
		13" x 19"	27.0	27.0
	2-Sided	LTR/EXEC		
		LTRR	17.5	17.5
		LGL	21.5	19.5
		11" x 17"	16.5	16.5
		12" x 18"	13.5	14.5
		13" x 19"	10.5	10.5
Bond	1-Sided	LTR	30.0	30.0
		LTRR	21.0	21.0
	2-Sided	LTR	15.0	15.0
		LTRR	10.5	10.5
Tab	1-Sided	LTR	51.0	—
Transparency	1-Sided	LTR	—	46.0
		LTRR	—	39.0

*1 For detailed supported paper weights, see ["Media Feed Locations,"](#) on p. 73.



IMPORTANT

The copy/print speeds in the tables above may not be achieved if the user copies/prints in the conditions below:

- If papers of differing lengths are fed together at the same time.
- If a job is printed on papers of differing paper weights.
- If a simplex or duplex job is printed on mixed media.
- If a saddle stitched booklet is created using one sheet.
- If tab paper and other paper types are used at the same time.

13.2 Mixed Paper Weight Job Productivity

The imageRUNNER ADVANCE 6500 Series is capable of processing jobs that contain paper with different paper weights. However, during the processing of jobs with mixed paper weights, the machine adjusts its fixing temperature, resulting in a printing delay.

13.3 Heavy Paper Weight Job Productivity

The imageRUNNER ADVANCE 6500 Series may experience downtime when using heavy paper (24 lb bond (91 g/m²) or heavier). The imageRUNNER ADVANCE 6575i/6565i also decrease the print speed by 10 ppm (pages per minute) during a print run.

13.4 Paper and Toner Replacement

The imageRUNNER ADVANCE operator can maintain productivity by removing, replacing, and refilling the paper and toner while the machine is running.

The paper trays can also be opened and refilled during operation. The tray that is being used by the machine during production, however, will be locked. Once the job completes, or the machine switches to another tray, the empty tray unlocks, enabling the operator to prepare for the next job, and add more paper. No productivity is affected and jobs finish faster.

Similar to the paper, the toner bottle can be removed and replaced while a job is printing. The imageRUNNER ADVANCE 6500 Series has a large toner container, making it possible for the machine to run longer with no bottle. The operator is not required to replace the toner bottle immediately after removing the old bottle. Therefore, productivity and image quality are not affected, and jobs finish in the same amount of time.

14. Media Usage/Compatibility

The imageRUNNER ADVANCE 6500 Series maintains reliable, predictable, and high-quality output. Consistency of the output is dependent on knowing and compensating for variables of a print job. The imageRUNNER ADVANCE 6500 Series incorporates many control systems which compensate for environmental and print process conditions. Another variable is the print media. Knowing the characteristics of the media guarantees optimal print output.

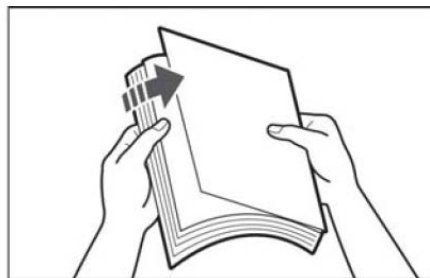
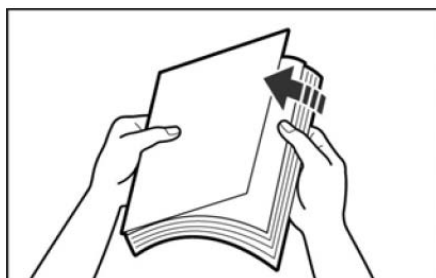
14.1 Media Characteristics by Media Library Parameters

A user must be in the Management mode to edit the media characteristics.

Characteristics	Parameters
Paper Size	Select the dimensions of the paper.
Paper Type	Select the type of paper (e.g., Plain, Tab Paper, or Pre-Punched).
Paper Weight	Select the weight of the paper in g/m ² .
Category	Select whether the paper is a Standard paper type or Custom paper type.
Finish	Select the finish of the paper (e.g., Uncoated or Coated).
Creep (Displacement) Correction	Specify the correction adjustment.
Adjust Image Position	Specify how to adjust the position of the image on the paper.

14.2 Paper Handling and Storage

- The permissible humidity range for paper storage is 25% to 75% (with a room temperature of 59°F to 81.5°F (15°C to 27.5°C)). Storing paper in a location that does not meet these specifications may affect paper feeding and image quality.
- Only use paper that has fully acclimatized to the environment in which the machine is installed. Using paper that has been stored in a different environment (with a different temperature and humidity), may cause paper jams or result in poor print quality.
- We recommend using paper immediately after opening the package. Rewrap any remaining paper in its original package, and store it on a flat surface.
- Before loading paper, make sure to fan the sheets thoroughly so that air runs through the sheets, as shown in the diagrams below.



14.3 Selecting the Correct Media

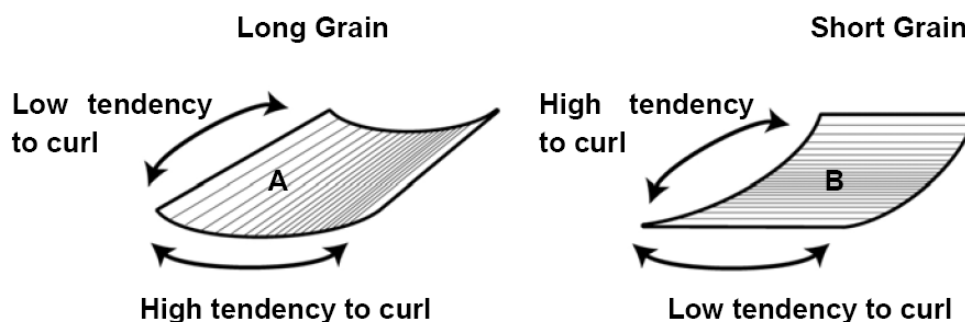
Canon U.S.A., Inc. publishes a *Media Compatibility Guide*, which provides detailed information on approved media. The *Media Compatibility Guide* for the imageRUNNER ADVANCE 6500 Series is available via the Canon e-Support Web site: <http://support.cusa.canon.com>.

14.4 Paper Grain and Curl

Paper grain and curl can dramatically affect the reliability of machines utilizing an electrostatic process like the imageRUNNER ADVANCE 6500 Series. It is recommended to use paper that is cut for long edge feeding (electrostatic paper). The composition of electrostatic paper produces better quality results in a digital machine. Therefore, when selecting paper for the imageRUNNER ADVANCE 6500 Series choose paper intended for use in electrostatic machines, such as laser printers and copiers.

If paper jams or poor print quality occur when paper is fed from the optional paper deck, paper curl is often the cause. The paper stiffness, direction of curl, and amount of curl has a strong influence on how well the paper is transported through the machine. If paper is curled, straighten out the paper by gently curling it in the opposite direction to which it is curled.

Paper stiffness depends on the direction of the paper grain. Paper tends to curl in the direction parallel to the grain.



IMPORTANT

- When using LTR or smaller paper sizes we recommend using paper with a grain parallel to the long edge (A). For paper sizes larger than 11" x 17", we recommend using paper with a grain parallel to the short edge (B).
- For more information on the correct direction to load paper, check the label on the paper package.

14.5 Note for Customers Who Cut Their Own Paper

Customers who cut their own paper may experience:

- An increase of paper dust in the machine
- Shortening the life of the machine's fixing rollers due to excessive wear from the rough side of the cut paper
- Paper jams due to paper dust getting into areas of the machine where it is not meant to be
- Improper paper feeding
- Paper registration inaccuracies

Follow the precautions below to minimize the above issues:

- Have a process in place to regularly make sure that the cutting blades are sharpened, and that cuts are made as clean as possible.
- Place the paper with the factory mill cut sides facing to the right (leading edge), and to the front of the machine.
- Pay special attention to the paper grain orientation when cutting it. For more information on paper grain, see ["Paper Grain and Curl,"](#) on p. 72.
- The best results for consistency and front to back registration are obtained by using factory mill cut, digital compatible paper.

14.6 Media Feed Locations

As with all Canon copiers, certain feed locations within the device are capable of feeding specific media sizes and weights.

When considering media, make sure the media is within the proper size and weight parameters of the feed location. Once the desired media is selected the appropriate feed location must be selected.

The default paper types registered in the machine are shown in the table below. The Paper Deck Unit-E1, POD Deck Lite-C1, Document Insertion Unit-P1, and Document Insertion/Folding Unit-J1 are optional.

✓: Available —: Unavailable

Paper Type (Paper Weight)	Paper Source						
	Paper Drawers 1 and 2 (14 lb bond to 80 lb cover (52 to 220 g/m ²))	Paper Cassettes 3 and 4 (14 lb bond to 80 lb cover (52 to 220 g/m ²))	Multi-Purpose Tray (14 lb bond to 140 lb index (52 to 256 g/m ²))	Paper Deck Unit-E1 (14 lb bond to 140 lb cover (52 to 256 g/m ²))	POD Deck Lite-C1 (14 lb bond to 140 lb cover (52 to 256 g/m ²))	Document Insertion Unit-P1 (16 lb bond to 140 lb index (60 to 256 g/m ²))	Document Insertion/Folding Unit-J1 (16 lb bond to 140 lb index (60 to 256 g/m ²))
Thin (14 to 16 lb bond (52 to 63 g/m ²))	✓	✓	✓	✓	✓	✓ ^{*1}	✓ ^{*1}
Plain (17 to 28 lb bond (64 to 105 g/m ²))	✓	✓	✓	✓	✓	✓	✓
Recycled ^{*2} (17 to 24 lb bond (64 to 90 g/m ²))	✓	✓	✓	✓	✓	✓	✓
Color (17 to 24 lb bond (64 to 90 g/m ²))	✓	✓	✓	✓	✓	✓	✓
Heavy 1 to Heavy 5 (28 lb bond to 60 lb cover (106 to 220 g/m ²))	✓	✓	✓	✓	✓	✓	✓
Heavy 6 (60 to 70 lb cover (221 to 256 g/m ²))	—	—	✓	✓	✓	✓	✓
Coated (60 lb cover to 140 lb index (106 to 256 g/m ²))	—	—	—	—	—	✓	✓

*1 Thin paper 16 lb bond (60 to 63 g/m²) can be used.

*2 100% recycled paper can be used.

Default Paper Types Table Continued

✓: Available —: Unavailable

Paper Type (Paper Weight)	Paper Source						
	Paper Drawers 1 and 2 (14 lb bond to 80 lb cover (52 to 220 g/m ²))	Paper Cassettes 3 and 4 (14 lb bond to 80 lb cover (52 to 220 g/m ²))	Multi-Purpose Tray (14 lb bond to 140 lb index (52 to 256 g/m ²))	Paper Deck Unit-E1 (14 lb bond to 140 lb cover (52 to 256 g/m ²))	POD Deck Lite-C1 (14 lb bond to 140 lb cover (52 to 256 g/m ²))	Document Insertion Unit-P1 (16 lb bond to 140 lb index (60 to 256 g/m ²))	Document Insertion/Folding Unit-J1 (16 lb bond to 140 lb index (60 to 256 g/m ²))
Transparency ^{*3} (40 lb bond to 66 lb cover (151 to 180 g/m ²))	—	—	✓	—	✓	—	—
Labels (56 to 66 lb cover (151 to 180 g/m ²))	—	—	✓	—	✓	—	—
Tracing ^{*4} (17 to 24 lb bond (64 to 90 g/m ²))	—	—	✓	—	✓	—	—
Bond (24 lb bond (90 g/m ²))	✓	✓	✓	✓	✓	✓	✓
Tab (56 to 80 lb cover (151 to 220 g/m ²))	✓	✓	✓	—	—	✓	✓
Pre-Punched (17 to 24 lb bond (64 to 90 g/m ²))	✓	✓	✓	✓	✓	—	—
Postcard	—	—	✓	—	✓	—	—
Letterhead (56 to 66 lb cover (151 to 180 g/m ²))	✓	✓	✓	✓	✓	✓	✓

*3 Use only LTR or LTRR transparencies made especially for this machine.

*4 Some types of tracing paper cannot be used.

14.7 Paper Sizes and Feed Location Chart

The default paper types registered in the machine are shown in the table below. The Paper Deck Unit-E1, POD Deck Lite-C1, Document Insertion Unit-P1, and Document Insertion/Folding Unit-J1 are optional.

✓: Available —: Unavailable

Paper Size	Width x Length	Paper Source						
		Paper Drawers 1 and 2	Paper Cassettes 3 and 4	Multi-Purpose Tray	Paper Deck Unit-E1	POD Deck Lite-C1	Document Insertion Unit-P1	Document Insertion/Folding Unit-J1
11" x 17"	11" x 17"	—	✓	✓	—	✓	✓	✓
LGL	8 1/2" x 14"	—	✓	✓	—	✓	✓	✓
LTR	8 1/2" x 11"	✓	✓	✓	✓	✓	✓	✓
LTRR	11" x 8 1/2"	—	✓	✓	—	✓	✓	✓
STMTR	5 1/2" x 8 1/2"	—	✓	✓	—	✓	—	—
EXEC	7 1/4" x 10 1/2"	—	✓	✓	—	✓	✓	✓
Custom Size	4" x 5 7/8" to 11 3/4" x 17" (100 mm x 148 mm to 297 mm x 431.8 mm)	—	—	✓	—	—	—	—
	5 1/2" x 7 1/8" to 11 3/4" x 17" (139.7 mm x 182 mm to 297 mm x 431.8 mm)	—	✓	✓	—	✓	—	—
Free Size	4" x 7 1/4" to 11 3/4" x 17" (100 mm x 182.2 mm to 297 mm x 431.8 mm)	—	—	✓	—	—	—	—



NOTE

For instructions on loading and orientating paper, see the *Maintenance e-Manual*.

15. Image Quality Capabilities



IMPORTANT

Following installation and setup, it is strongly recommended that owners of the imageRUNNER ADVANCE 6500 Series print and store samples of the image quality the product is capable of producing. These samples should serve as a benchmark, against which subsequent image quality can be referenced. Samples should be made using as many applications, media, and paper types the owner intends to use on the imageRUNNER ADVANCE 6500 Series.

15.1 Customer-Defined Image Quality Adjustments and Recommendations

Customer-defined image quality adjustments enable the customer to enhance the productivity of the machine. There are several user modes, such as the Adjust Image Quality and Paper Type Management Settings modes, which provide adjustment functions, to help maintain the desired image quality for each job. These settings also aim at reproducing optimal images under variable factors (i.e., changes in the environment and deterioration due to aging).

To achieve the best image quality the following factors are recommended:

- Tighter control of the temperature and humidity will result in tighter image quality consistency in the device.
- The device must be properly maintained, which includes performing preventative maintenance as scheduled.
- To maintain consistent image quality on the device, the customer should perform a Full Auto Gradation Adjustment once a day and whenever a change in print quality is noticed. Follow these guidelines to adjust the machine properly:
 - When adjusting the machine, make sure to perform an Auto Gradation Adjustment on the engine first, and then on the RIP.
 - If an EFI controller or Canon controller is being used, use 11" x 17" or LTR paper when performing an Auto Gradation Adjustment.

15.1.1 Adjust Image Quality Modes

The Adjust Image Quality mode enables the user to make fine adjustments to the printed image. For more information on specifying the Adjust Image Quality modes, see “Adjustment/Maintenance,” in the *Settings/Registration e-Manual* included with the machine.

The following items can be adjusted through the Adjust Image Quality menu:

- Auto Adjust Gradation
- Fine Adjust Zoom
- Correct Density



IMPORTANT

- It is recommended to select [Full Adjust] when performing an automatic gradation adjustment. Select [Quick Adjust] to perform a quick, but less complete adjustment between regular full adjustment recalibrations.
- This machine adjusts the toner and print speed according to the paper type. To make effective adjustments, select the correct paper type.

15.1.2 Paper Type Management Settings

The Paper Type Management Settings mode enables the system administrator to improve the image quality output result by precisely registering the type of custom or standard paper settings that are frequently used in the machine.

The following items can be adjusted through the Paper Type Management Settings menu:

- Basis Weight
- Type
- Adjust Creep Correction
- Finish
- Color
- Name



IMPORTANT

- The Paper Type Management Settings mode is only available from the Management mode.
- For more information on specifying the Paper Type Management Settings modes, see “Registering/Editing Custom Paper Types,” in the *Settings/Registration e-Manual* included with the machine.

16. Responsibility Matrix

Action	Responsibility	
	Customer	Dealer
Ensure adequate space and power to properly install the machine.		
Verify floor strength and level.		
Ensure that the equipment can be delivered to the site, and that the path is clear and unobstructed.		
Unpack all delivered items.		
Install all system hardware.		
Connect all system components.		
Install printer files and server.		
Ensure network configuration, and confirm that the device is attached to the network.		
Install client workstation network software.		
Order and replace, as necessary, replaceable items (i.e., drum cartridges and toner).		
Order and replace the waste toner container, as necessary.		
Provide technical support.		
Provide on-site support.		
Establish an installation file of a typical job, and retain for future reference.		
Perform an Auto Gradation Adjustment as needed.*1		
Back up important data, such as Inbox and Address Book contents on the machine's hard drive periodically.		
Secure data stored on hard drives and in the Advanced Box.		
Storage of the TPM encryption key (if TPM setting is set to 'On').		

*1 For more information, see "Adjustment/Maintenance," in the *Settings/Registration e-Manual* included with the machine.

Primary customer applications for using this equipment:

Special considerations or performance limitations:

I have received a copy of this document.

Customer:

Sales Person:
