

Canon

**imageRUNNER
ADVANCE**

C2230/C2225/C2220/C2220L

Before Using This Machine



Read this guide first.

Please read this guide before operating this product.

After you finish reading this guide, store it in a safe place for future reference.

ENG

Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information.



Guides with this symbol are printed manuals.



Guides with this symbol are included on the accompanying CD-ROM.

Before Using This Machine (This Manual)

- Describes precautions for using the machine.
- Includes the specifications of the machine.



Setup Guide

- Describes the settings required before using functions, such as the network settings for sending e-mail.
- Describes how to add applications and update the firmware.



Basic Operation Guide

- Provides an overview of the functions and describes the basic operations.
- Describes the maintenance and troubleshooting procedures for the machine.
- Includes answers to frequently asked questions.



e-Manual

HTML manual

- Describes all the functions of the machine. Also provided with a search function that is useful for finding and checking information.
- Includes "Practical Workflows," which introduces flows of practical operations using functions of the machine.



Driver Installation Guide

- Provides instructions on installing the printer, fax, and other drivers.

Printer Driver Installation Guide

Mac Printer Driver Installation Guide

Fax Driver Installation Guide

Network ScanGear Installation Guide

- Included on the same CD-ROM as each driver.



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Preface

Thank you for purchasing the Canon imageRUNNER ADVANCE C2230/C2225/C2220/C2220L. Please read this manual thoroughly before operating the machine to familiarize yourself with its capabilities, and to make the most of its many functions. For information on the detailed settings for the functions described in this manual, see the e-Manual. After reading this manual, store it in a safe place for future reference.



How To Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.



WARNING

Indicates a warning concerning operations that may lead to death or injury to persons if not performed correctly. To use the machine safely, always pay attention to these warnings.



CAUTION

Indicates a caution concerning operations that may lead to injury to persons if not performed correctly. To use the machine safely, always pay attention to these cautions.



IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the machine correctly, and avoid damage to the machine or property.



NOTE



Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.



Indicates an operation that must not be performed. Read these items carefully, and make sure not to perform the described operations.

Keys and Buttons Used in This Manual

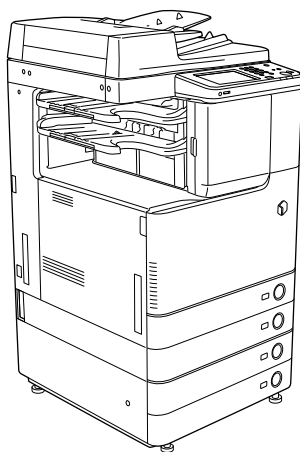
The following symbols and key/button names are a few examples of how keys and buttons to be clicked or pressed are expressed in this manual:

- Touch Panel Display Keys: [Key Name]
Example: [Cancel]
[Close]
- Control Panel Keys: Key Icon (Key Name)
Example:  (Start)
 (Stop)
- Buttons on Computer Operation Screens: [Button Name]
Example: [OK]
[Add]

Illustrations Used in This Manual

Illustrations used in this manual are those displayed when the imageRUNNER ADVANCE C2220L has the following optional equipment attached to it:

- DADF-AJ1
- Inner Finisher-F1
- Inner Finisher Additional Tray-A1
- Cassette Module-X1
- Cassette Feeding Unit-AF1
- 3 Way Unit-C1
- Copy Tray-J1
- 2.5inch/80GB HDD



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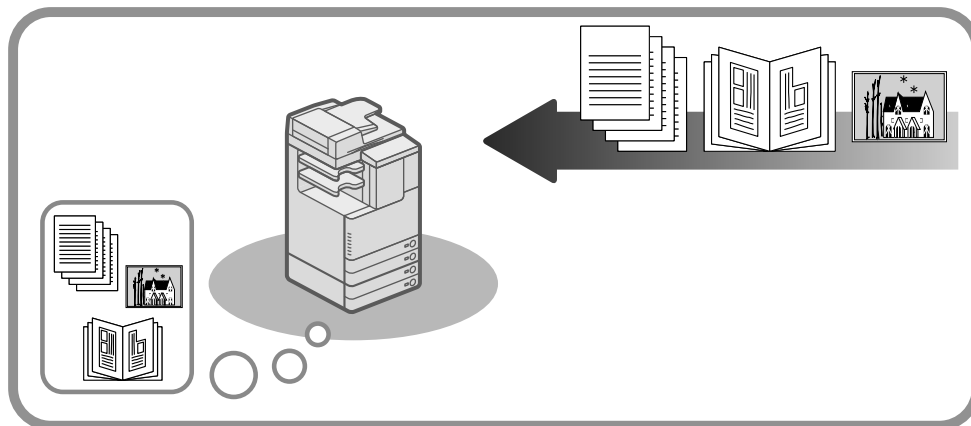
Operations and Terms Used in This Manual

This machine makes effective use of memory to perform print operations efficiently. For example, as soon as the machine has scanned the original that you want to copy, it can immediately scan the next person's original. You can also print from this machine, using a function other than the Copy function. This machine combines multiple operations, so that not only copies, but various types of jobs are placed in a queue before being processed.

To avoid confusion when reading this manual, the terms "scanning," "printing," and "copying," used throughout this manual, are defined below. When making a copy, the process of scanning originals and printing copies may be described as separate functions.

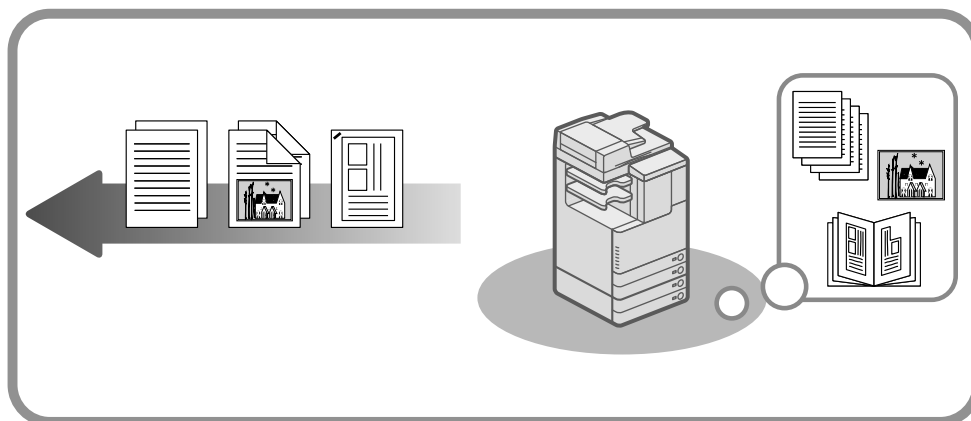
● Scanning

Scanning an original to be copied, scanning an original to be sent.



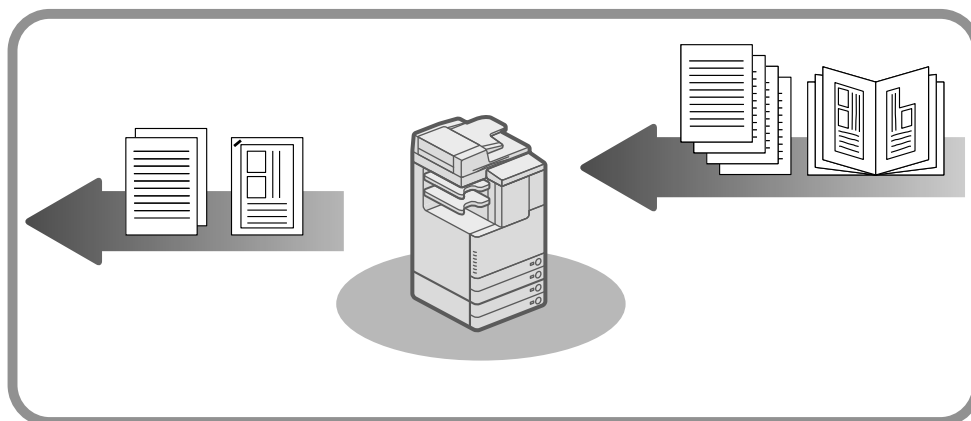
● Printing

Outputting a copy or outputting data sent from a computer to the machine.



● Copying

Printing data scanned from an original, followed by finishing options, such as stapling.





Legal Notices

Product Name

Safety regulations require the product's name to be registered. In some regions where this product is sold, the following name(s) in parenthesis may be registered instead.

- imageRUNNER ADVANCE C2230/C2225/C2220/C2220L (F163100)

EMC requirements of EC Directive

This equipment conforms with the essential EMC requirements of EC Directive. We declare that this product conforms with the EMC requirements of EC Directive at nominal mains input 230 V, 50 Hz although the rated input of the product is 220 to 240 V, 50/60 Hz. Use of shielded cable is necessary to comply with the technical EMC requirements of EC Directive.

Laser Safety

This Product is certified as a Class 1 laser product under IEC60825-1:2007 and EN60825-1:2007. This means that the product does not produce hazardous laser radiation.

Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

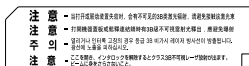
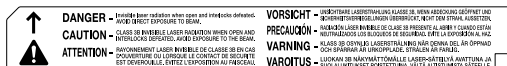
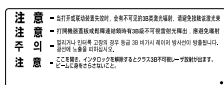
Do not remove protective housings or external covers, except as directed by the equipment's manual.

Additional Information

When servicing or adjusting the optical system of the product, be careful not to place screwdrivers or other shiny objects in the path of the laser beam. Also, accessories such as watches and rings should be removed before working on the product.

The reflected beam, even though visible or invisible, can permanently damage your eyes.

The label shown below is attached to the paper drawer's right cover and toner supply port cover.



This Product has been classified under IEC60825-1:2007 and EN60825-1:2007, which conform to the following classes;

CLASS 1 LASER PRODUCT

LASER KLASSE 1

APPAREIL À LASER DE CLASSE 1

APPARECCHIO LASER DI CLASSE 1

PRODUCTO LÁSER DE CLASE 1

APARELHO A LASER DE CLASSE 1

LUOKAN 1 LASER-TUOTE

LASERPRODUKT KLASSE 1



Use of controls, adjustments, or performance of procedures other than those specified in the manuals for this machine may result in hazardous radiation exposure.

IPv6 Ready Logo



The protocol stack included in this machine has obtained the IPv6 Ready Logo Phase-2 established by the IPv6 Forum.

WEEE Directive / Rule



-European Union (and EEA) only-

This symbol attached on the product is according to the WEEE Directive (2002/96/EC).



-India only-

This product is not to be disposed of with your household waste, according to the e-waste (Management and Handling) Rules, 2011. This product should be handed over to a designated collection point, e.g., to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information regarding return and recycling of WEEE products, please visit <<http://www.canon.co.in/environment>>.

Also, this product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 % by weight and 0.01 % by weight for Cadmium, except for the exemptions set in Schedule II of the Rule.

Information Security Standard (IEEE 2600)

This machine is compliant with IEEE Std 2600™ - 2008 (hereinafter referred to as IEEE 2600), a global information security standard for multifunction peripherals and printers, and is able to achieve the security requirements defined in IEEE 2600.*

For information on how this machine meets the security requirements defined in IEEE 2600, see e-Manual > Security > IEEE 2600 Security Standard.

* IEEE 2600.1 CC Authentication has not been obtained for this machine by itself.

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- Money Orders
- Certificates of Deposit
- Postage Stamps (canceled or uncanceled)
- Identifying Badges or Insignias
- Selective Service or Draft Papers
- Checks or Drafts Issued by Governmental Agencies
- Motor Vehicle Licenses and Certificates of Title
- Travelers Checks
- Food Stamps
- Passports
- Immigration Papers
- Internal Revenue Stamps (canceled or uncanceled)
- Bonds or Other Certificates of Indebtedness
- Stock Certificates
- Copyrighted Works/Works of Art without Permission of Copyright Owner

Super G3



Super G3 is a phrase used to describe the new generation of fax machines that use ITU-T V.34 standard 33.6 Kbps* modems. Super G3 High Speed Fax machines allow transmission times of approximately 3 seconds* per page which results in reduced telephone line charges.

* Approximately 3 seconds per page fax transmission time based on CCITT/ITU-T No.1 Chart, (JBIG, Standard Mode) at 33.6 Kbps modem speed. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or slower, depending on telephone line conditions.



NOTE

The fax function is available only if the FAX Board is installed.



Important Safety Instructions

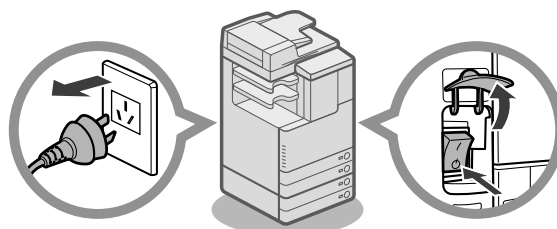
Please read these "Important Safety Instructions" thoroughly before operating the machine. As these instructions are intended to prevent injury to the user or other persons or destruction of property, always pay attention to these instructions. Also, since it may result in unexpected accidents or injuries, do not perform any operation unless otherwise specified in the manual. Improper operation or use of this machine could result in personal injury and/or damage requiring extensive repair that may not be covered under your Limited Warranty.

Installation



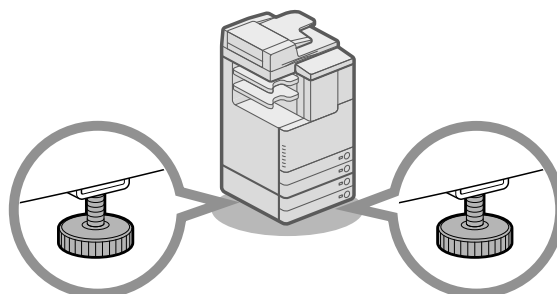
WARNING

- **Never block the ventilation slots and louvers on the machine. These openings are provided for proper ventilation of working parts inside the machine. Blocking these openings can cause the machine to overheat. Never place the machine on a soft surface, such as a sofa or rug.**
- **Do not install the machine in the following locations:**
 - A damp or dusty location
 - A location near water faucets or water
 - A location exposed to direct sunlight
 - A location subject to high temperatures
 - A location near open flames
- **Do not install the machine near alcohol, paint thinner, or other flammable substances. If flammable substances come into contact with electrical parts inside the machine, it may result in a fire or electrical shock.**
- **Do not place the following items on the machine. If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock.**
If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.
 - Necklaces and other metal objects
 - Cups, vases, flowerpots, and other containers filled with water or liquids



CAUTION

- **Do not install the machine in unstable locations, such as unsteady platforms or inclined floors, or in locations subject to excessive vibrations, as this may cause the machine to fall or tip over, resulting in personal injury.**
- **Do not remove the machine's leveling feet after the machine has been installed, as this may cause the machine to fall or tip over, resulting in personal injury.**



Power supply



WARNING

- Do not damage or modify the power cord. Also, do not place heavy objects on the power cord, or pull on or excessively bend it, as this could cause electrical damage and result in a fire or electrical shock.
- Keep the power cord away from a heat source; failure to do this may cause the power cord coating to melt, resulting in a fire or electrical shock.
- Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.
- Do not connect the power cord to a multiplug power strip, as this may cause a fire or electrical shock.
- Do not bundle up or tie the power cord in a knot, as this may result in a fire or electrical shock.
- Insert the power plug completely into the power outlet, as failure to do so may result in a fire or electrical shock.
- Do not use power cords other than the power cord provided, as this may result in a fire or electrical shock.
- As a general rule, do not use extension cords. Using an extension cord may result in a fire or electrical shock.
- The provided power cord is intended for use with this machine. Do not connect the power cord to other devices.
- Do not use power supplies with voltages other than those specified herein, as this may result in a fire or electrical shock.
- Always grasp the power plug when disconnecting the power cord. Pulling on the power cord may expose or snap the core wire, or otherwise damage the power cord. If the power cord is damaged, this could cause current to leak, resulting in a fire or electrical shock.



IMPORTANT

Install this machine near the power outlet and leave sufficient space around the power plug so that it can be unplugged easily in an emergency.

Handling

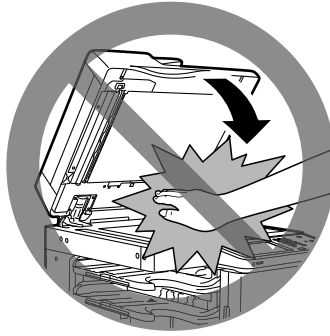


WARNING

- Do not attempt to disassemble or modify the machine. There are high-temperature and high-voltage components inside the machine which may result in a fire or electrical shock.
- If the machine makes strange noises, or gives off smoke, heat, or strange smells, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer. Continued use of the machine in this condition may result in a fire or electrical shock.
- Do not use highly flammable sprays near the machine. If gas from these sprays comes into contact with the electrical components inside the machine, it may result in a fire or electrical shock.
- To avoid damage to the power cord and creating a fire hazard, always turn OFF the main power switch, and unplug the interface cable when moving the machine. Otherwise, the power cord or interface cable may be damaged, resulting in a fire or electrical shock.
- Make sure that the power plug is firmly inserted into the power outlet if the machine was moved. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Do not drop paper clips, staples, or other metal objects inside the machine. Also, do not spill water, liquids, or flammable substances (alcohol, benzene, paint thinner, etc.) inside the machine. If these items come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock. If these items are dropped or spilled inside the machine, immediately turn OFF the main power switch, and disconnect the power cord from the power outlet. Then, contact your local authorized Canon dealer.
- Do not use the product for uses other than as a color digital multitasking machine.

CAUTION

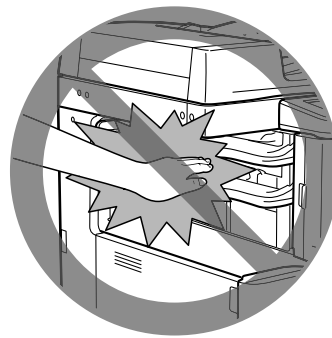
- Do not place heavy objects on the machine, as they may tip over or fall resulting in personal injury.
- Close the feeder/platen cover gently to avoid catching your hands, as this may result in personal injury.



- Do not press down hard on the feeder/platen cover when using the platen glass to make copies of thick books. Doing so may damage the platen glass and result in personal injury.
- Do not touch the finisher while the machine is printing, as this may result in personal injury.
- Paper that has just been output from the machine may be hot. Be careful when removing or aligning paper from the output tray. Touching paper right after it is output may result in low-temperature burns.
- Do not place your hands, hair, clothing, etc., near the exit and feed rollers. Even if the machine is not in operation, your hands, hair, or clothing may get caught in the rollers, which may result in personal injury or damage if the machine suddenly starts printing.
- Do not place your hands in the part of the tray where stapling is performed (near the rollers) when a finisher is attached, as this may result in personal injury.

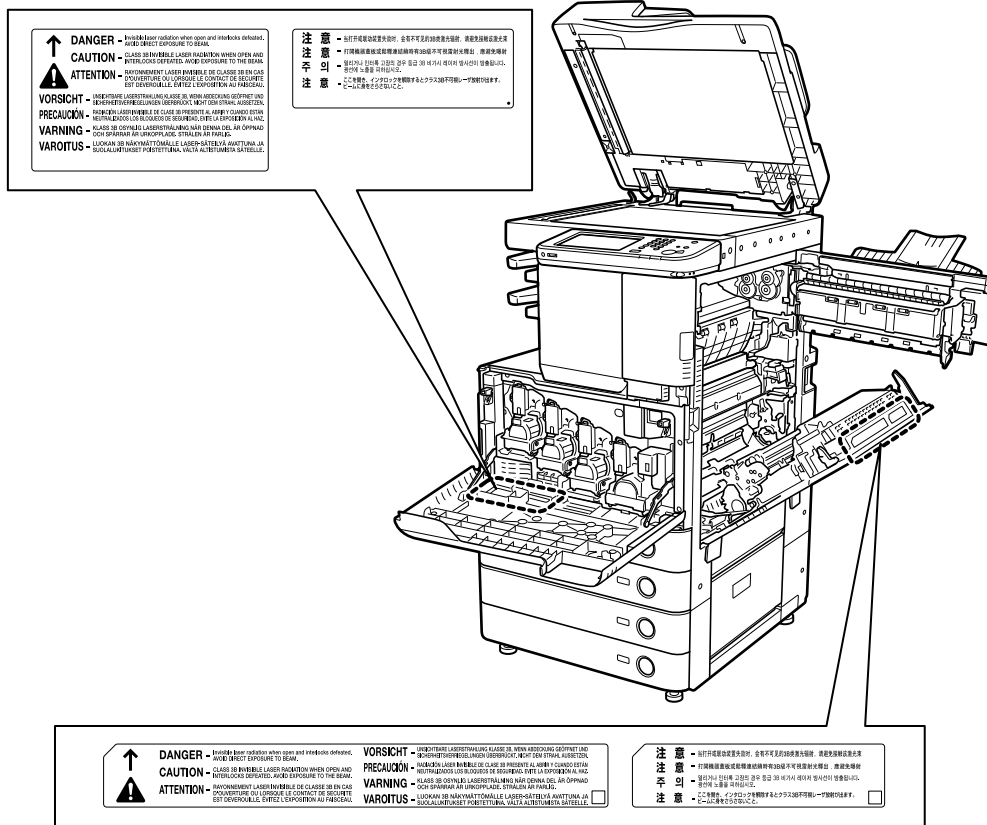


Staple Finisher-M1/
Booklet Finisher-M1




Inner Finisher-F1

- Do not insert your hand into the machine while the paper drawer is removed, as this may result in personal injury.
- The laser beam can be harmful to human bodies. Since radiation emitted inside the product is completely confined within protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation. Read the following remarks and instructions for safety.
- Never open covers other than those instructed in the manuals for this machine.
- Do not remove the following caution label which is attached to the machine. If the label has been removed, contact your local authorized Canon dealer.



- If the laser beam escapes from the machine, exposure may cause serious damage to your eyes.
- Controlling, adjusting, or operating the machine in ways not mentioned in the manuals for this machine may cause dangerous radiation to escape from the machine.

IMPORTANT

Press  (Energy Saver) for safety when the machine will not be used for a long period of time, such as overnight. Also, turn OFF the main power switch, and disconnect the power cord for safety when the machine will not be used for an extended period of time, such as during consecutive holidays.

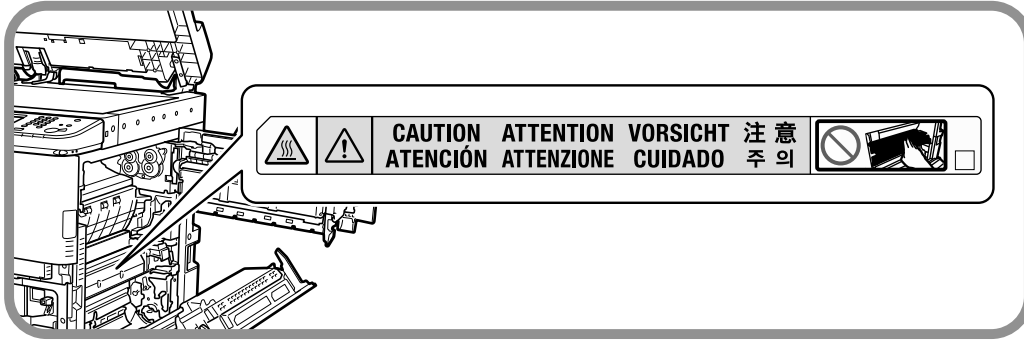


WARNING

- When cleaning the machine, first turn OFF the main power switch, then disconnect the power cord. Failure to observe these steps may result in a fire or electrical shock.
- Disconnect the power cord from the power outlet regularly, and clean the area around the base of the power plug's metal pins and the power outlet with a dry cloth to ensure that all dust and grime is removed. If the power cord is connected for a long period of time in a damp, dusty, or smoky location, dust can build up around the power plug and become damp. This may cause a short circuit and result in a fire.
- Clean the machine using a slightly dampened cloth with a mild detergent mixed with water. Do not use alcohol, benzene, paint thinner, or other flammable substances. Check detergent for flammability prior to use. If flammable substances come into contact with a high-voltage area inside the machine, it may result in a fire or electrical shock.
- There are some areas inside the machine which are subject to high-voltages. When removing jammed paper or when inspecting the inside of the machine, do not allow necklaces, bracelets, or other metal objects to touch the inside of the machine, as this may result in burns or electrical shock.
- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Make sure that the power plug is firmly inserted into the power outlet after cleaning the machine. Do not use the machine while the connection is loose, as doing so may cause a fire.
- Check the power cord and power plug regularly. If the following conditions occur, contact your local authorized Canon dealer, as the condition may cause a fire:
 - There are burn marks on the power plug.
 - The blade on the power plug is deformed or broken.
 - The power goes OFF and ON when the power cord is bent.
 - There are cuts, cracks, or indentations on the power cord.
 - A part of the power cord becomes hot.
- Check the power cord and power plug regularly to make sure that they are not handled in the following manner, as this may result in a fire or electrical shock:
 - The connection part of the power plug is loose.
 - Stress is being applied to the power cord by a heavy object or by affixing it with staples.
 - The power plug is loose.
 - The power cord is tied in a bundle.
 - The power cord protrudes into a walkway.
 - The power cord is in front of a heater.

! CAUTION

- The fixing unit and its surroundings inside the machine may become hot during use. When removing jammed paper or when inspecting the inside of the machine, do not touch the fixing unit and its surroundings, as doing so may result in burns or electrical shock.
- When removing jammed paper or when inspecting the inside of the machine, do not expose yourself to the heat emitted from the fixing unit and its surroundings for a prolonged period of time. Doing so may result in low temperature burns, even though you did not touch the fixing unit and its surroundings directly.
- If a paper jam occurs, follow the directions on the touch panel display to remove any jammed paper from inside the machine. Do not insert your fingers into any parts not indicated on the touch panel display, as doing so may result in personal injury or burns.



- When removing jammed paper or replacing the toner cartridge, take care not to allow the toner to come into contact with your hands or clothing, as this will dirty your hands or clothing. If they become dirty, wash them immediately with cold water. Washing them with warm water will set the toner, and make it impossible to remove the toner stains.
- When removing paper which has become jammed inside the machine, remove the jammed paper gently to prevent the toner on the paper from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- When removing jammed originals or paper which has become jammed inside the machine, take care not to cut your hands or injure yourself on the edges of the originals or paper. If you cannot remove the paper, contact your local authorized Canon dealer.
- When removing a used toner cartridge, remove the cartridge carefully to prevent the toner from scattering and getting into your eyes or mouth. If the toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.

Consumables



WARNING

- Do not burn or throw used toner cartridges into open flames, as this may cause the toner remaining inside the cartridges to ignite, resulting in burns or a fire.
- Do not store toner cartridges or copy paper in places exposed to open flames, as this may cause the toner or paper to ignite, resulting in burns or a fire.
- If you accidentally spill or scatter toner, carefully wipe up the loose toner with a damp, soft cloth and avoid inhaling any toner dust. Do not use a vacuum cleaner that is not equipped with safety measures to prevent dust explosions to clean up loose toner. Doing so may cause damage to the vacuum cleaner or result in a dust explosion due to static discharge.



CAUTION

- Keep toner and other consumables out of the reach of small children. If these items are ingested, consult a physician immediately.
- Do not dismantle the toner cartridge, as doing so may cause toner to fly out and enter your eyes or mouth. If toner gets into your eyes or mouth, wash them immediately with cold water and immediately consult a physician.
- If toner escapes from the toner cartridge, make sure not to ingest the toner or allow it to directly touch your skin. If toner touches your skin, wash it away with soap and water. If your skin still feels irritated after washing it, or you ingest toner, consult a doctor immediately.
- When discarding used toner cartridges, put the cartridges into a bag to prevent the toner remaining inside the cartridges from scattering, and dispose of them in a location away from open flames.

Other Warnings



WARNING

For cardiac pacemaker users:

This product emits low level magnetic flux. If you use a cardiac pacemaker and feel abnormalities, please move away from the product and consult your doctor.



Installation Location and Handling

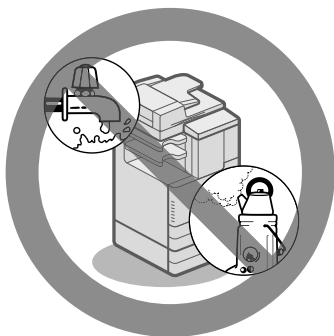
This section describes precautions for installation location and handling. We recommend that you read this section prior to using this machine.

Installation Precautions

Avoid Installing the Machine in the Following Locations

- **Avoid locations subject to temperature and humidity extremes, whether low or high.**

For example, avoid installing the machine near water faucets, hot water heaters, humidifiers, air conditioners, heaters, or stoves.



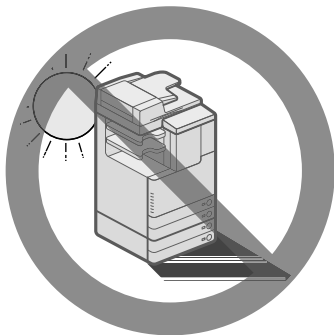
- **Avoid locations where a considerable amount of dust accumulates.**

- **Avoid locations where ammonia gas is emitted.**



- **Avoid installing the machine in direct sunlight.**

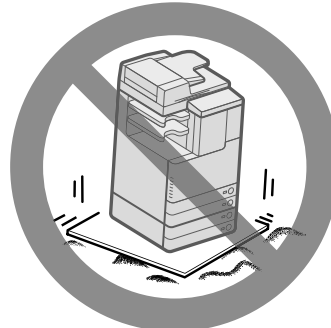
If this is unavoidable, use curtains to shade the machine. Be sure that the curtains do not block the machine's ventilation slots or louvers, or interfere with the electrical cord or power supply.



- **Avoid locations near volatile or flammable materials, such as alcohol or paint thinner.**

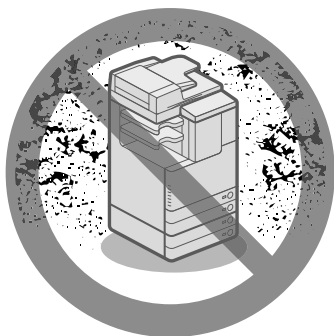
- **Avoid locations that are subject to vibration.**

For example, avoid installing the machine on unstable floors or stands.



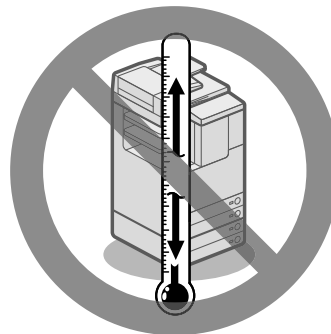
- **Avoid poorly ventilated locations.**

This machine generates a slight amount of ozone etc. during normal use. Although sensitivity to ozone etc. may vary, this amount is not harmful. Ozone etc. 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. In addition, do not install this machine where it exhausts directly onto a person.



- **Avoid exposing the machine to rapid changes in temperature.**

If the room in which the machine is installed is cold but rapidly heated, water droplets (condensation) may form inside the machine. This may result in a noticeable degradation in the quality of the copied image, the inability to properly scan an original, or the copies having no printed image at all.



- **Avoid installing the machine near computers or other precision electronic equipment.**

Electrical interference and vibrations generated by the machine during printing can adversely affect the operation of such equipment.

- **Avoid installing the machine near televisions, radios, or similar electronic equipment.**

The machine might interfere with sound and picture signal reception.

Insert the power plug into a dedicated power outlet, and maintain as much space as possible between the machine and other electronic equipment.

- **Contact an authorized Canon dealer if communication is unavailable.**

Depending on your locale or your telephone connection, you may be unable to perform data communication. In this case, contact your local authorized Canon dealer.

- **Do not remove the machine's leveling feet.**

Do not remove the machine's leveling feet after the machine has been installed.

If you put weight on the front of the machine while the drawers or units within the machine are pulled out, the machine may fall forward. To prevent this from happening, make sure that the machine's leveling feet are in place.

- **Avoid installing the machine at high altitudes of about 3,000 meters above sea level, or higher.**

Machines with a hard disk may not operate properly when used at high altitudes of about 3,000 meters above sea level, or higher.

Select a Safe Power Supply

- **Plug the machine into a 220 - 240 V AC outlet.**
- **Make sure that the power supply for the machine is safe, and has a steady voltage.**
- **Do not connect other electrical equipment to the same power outlet to which the machine is connected.**
- **Do not connect the power cord to a multiplug power strip, as this may cause a fire or electrical shock.**
- **The power cord may become damaged if it is stepped on, affixed with staples, or if heavy objects are placed on it. Continued use of a damaged power cord can lead to an accident, such as a fire or electrical shock.**

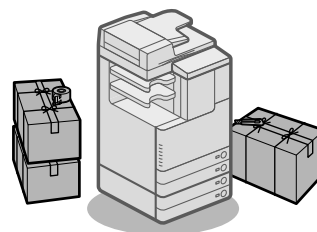


- **The power cord should not be taut, as this may lead to a loose connection and cause overheating, which could result in a fire.**
- **If excessive stress is applied to the connection part of the power cord, it may damage the power cord or the wires inside the machine may disconnect. This could result in a fire. Avoid the following situations:**

- Connecting and disconnecting the power cord frequently.
- Tripping over the power cord.
- The power cord is bent near the connection part, and continuous stress is being applied to the power outlet or the connection part.
- Applying excessive force on the power plug.

Moving the Machine

- **If you intend to move the machine, even to a location on the same floor of your building, contact your local authorized Canon dealer beforehand. Do not attempt to move the machine yourself.**

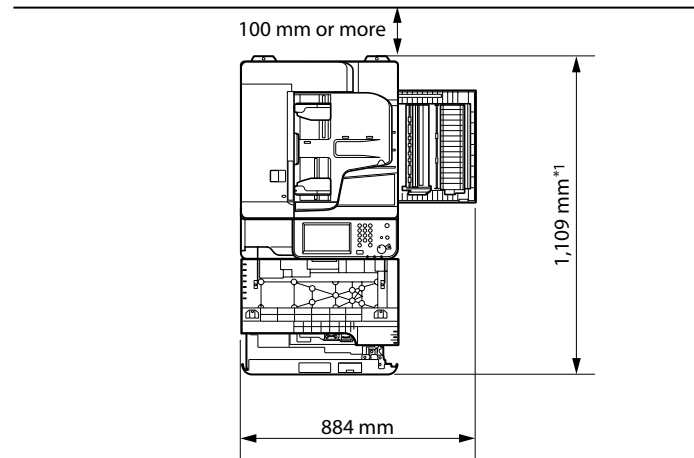


Provide Adequate Installation Space

Provide enough space on each side of the machine for unrestricted operation.

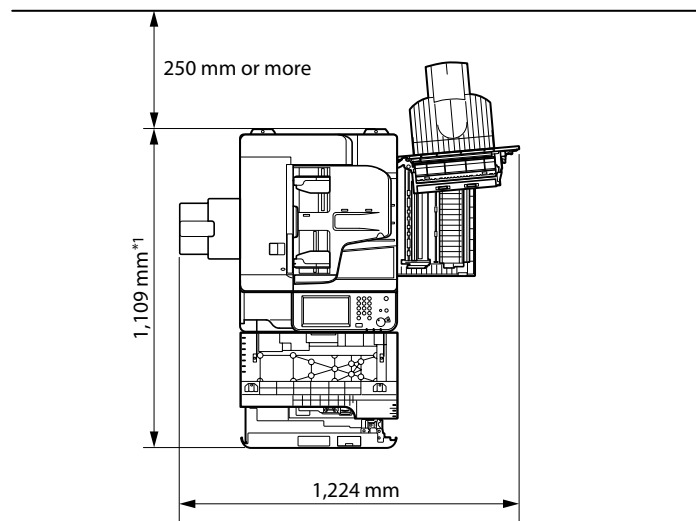
The following measures are for the imageRUNNER ADVANCE C2220L.

● When the DADF-AJ1 is attached:



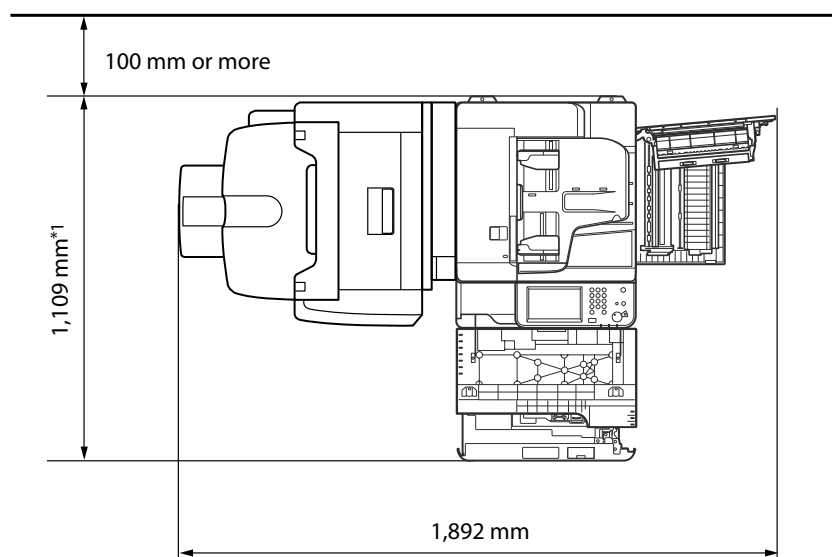
*1 When the 2.5inch/80GB HDD is attached, the machine's width will become 1,139 mm.

● When the DADF-AJ1, Inner Finisher-F1, 3 Way Unit-C1, and Copy Tray-J1 are attached:



*1 When the 2.5inch/80GB HDD is attached, the machine's width will become 1,139 mm.

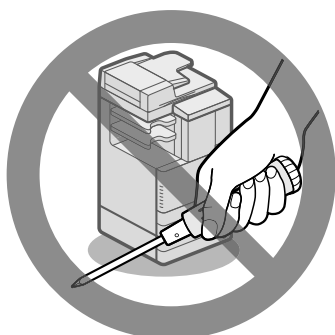
- When the DADF-AJ1, Booklet Finisher-M1, 3 Way Unit-C1, and Buffer Pass Unit-K1 are attached:



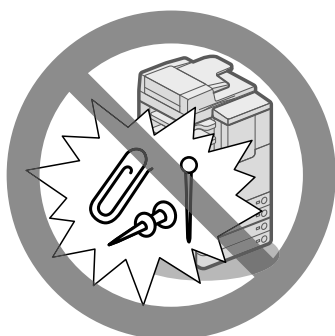
*1 When the 2.5inch/80GB HDD is attached, the machine's width will become 1,139 mm.

Handling Precautions

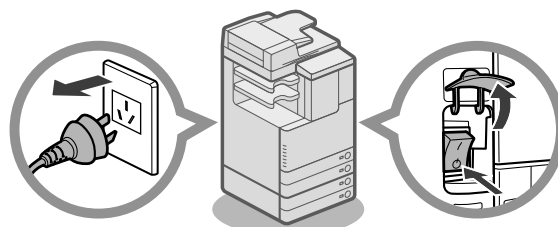
- Do not attempt to disassemble or modify the machine.



- Some parts inside the machine are subject to high-voltages and temperatures. Take adequate precautions when inspecting the inside of the machine. Do not carry out any inspections that are not described in the manuals for this machine.
- Be careful not to spill liquid or drop any foreign objects, such as paper clips or staples inside the machine. If a foreign object comes into contact with electrical parts inside the machine, it might cause a short circuit and result in a fire or electrical shock.




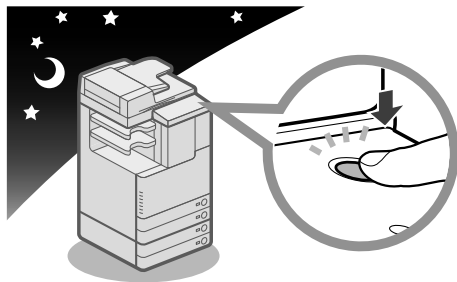
- If there is smoke, or unusual noise, immediately turn the main power switch OFF, disconnect the power cord from the power outlet, and then call your local authorized Canon dealer. Using the machine in this state may cause a fire or electrical shock. Also, avoid placing objects around the power plug so that the machine can be disconnected whenever necessary.



- Do not turn the main power switch OFF or open the front covers while the machine is in operation. This may result in paper jams.
- Do not use flammable sprays, such as spray glue, near the machine. There is a danger of ignition.



- This machine generates a slight amount of ozone etc. during normal use. Although sensitivity to ozone etc. may vary, this amount is not harmful. Ozone etc. 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.
- For safety reasons, Press  (Energy Saver) when it will not be used for a long period of time, such as overnight. As an added safety measure, turn OFF the main power switch, and disconnect the power cord when the machine will not be used for an extended period of time, such as during consecutive holidays.



- Use a modular cable that is shorter than 3 meters.
- Use a USB cable that is shorter than 3 meters.



Backing Up/Exporting Data

Various data such as the received data, address book, and Settings/Registration settings are stored on the internal memory of the machine.

A malfunction in the memory may cause these data to be lost. Please regularly back up/export your important data.

Please note that Canon will not be held responsible for any damages caused by the loss of data.

You can backup/export data in the following ways:

- Import/Export All
- Import/Export Individually

You can back up/export the following data:

Data You Can Import/Export All

You can save/load multiple items at once. In addition, you can exchange data with this machine and other machines which support the Import/Export All function.



IMPORTANT

You cannot use the Import All function, depending on the recipient's machine model. For more information, contact your local authorized Canon dealer.

Data	References
Settings/Registration Basic Information	e-Manual > Remote UI
Paper Type Management Settings	
Forwarding Settings	
Box Settings	
Department ID Management Settings	
Main Menu Settings	
Web Access Settings	
Favorite Settings	
Address Book	
Quick Menu Settings	
MEAP Application Setting Information	
User Setting Information	

Data You Can Import/Export Individually

You can save/load data individually. In addition, you can exchange data with this machine and other machines which do not support the Import/Export All function.

Data	References
Address Lists	e-Manual > Remote UI
Device Settings (Forwarding Settings, Address Book, Send Function Favorite Settings)	
Printer Settings	
Paper Information	
Web Access Favorites	e-Manual > Web Access

Other Data You Can Import/Export

You can exchange data with this machine and other machines which do not support the Import/Export All function.

Data		References
Quick Menu Information		e-Manual > Quick Menu
Data Relating to MEAP	License files for MEAP applications	e-Manual > MEAP
	Data saved from MEAP applications*1	Instruction manuals for each MEAP application.
	User authentication information registered for the Local Device Authentication system of SSO-H (Single Sign-On H)	e-Manual > MEAP

*1 You may be able to back up data stored by MEAP applications, depending on the application.



NOTE

- The passwords and PIN are backed up at the same time. However, some of the passwords may not be backed up, depending on the type of the password.
- If your machine is not connected to a network, it is recommended that you print and store important information such as the Address Book. (See e-Manual > Basic Operations.)



Parts and Their Functions

This section provides you with the names and functions of all the parts of the machine.

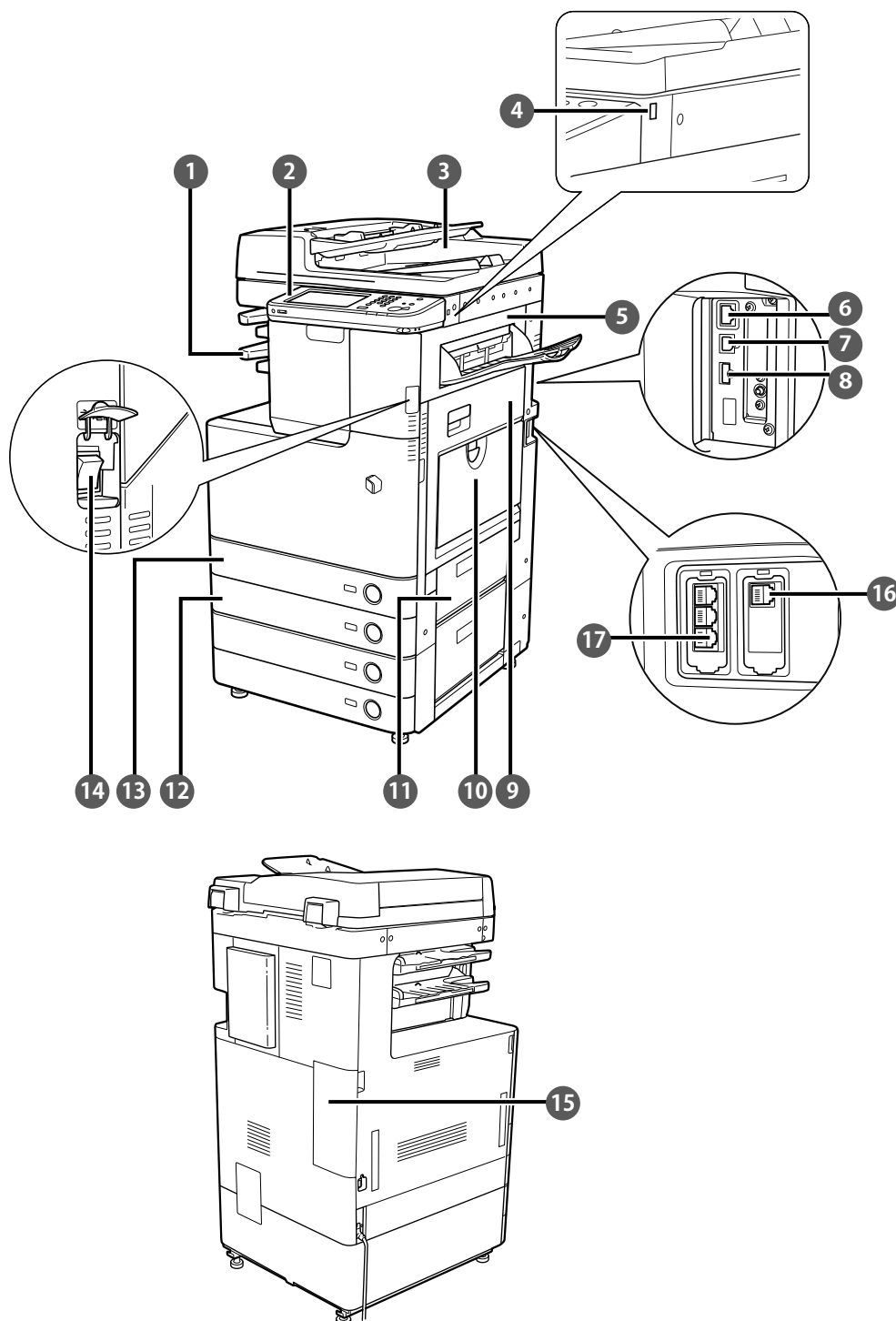
For more information on optional products, parts and their functions, see e-Manual > Optional Products/Software.

External View

This section contains an external view of the imageRUNNER ADVANCE C2220L.

When the DADF-AJ1, Cassette Module-X1*, Cassette Feeding Unit-AF1, Inner Finisher-F1, 3 Way Unit-C1, Inner Finisher Additional Tray-A1, Copy Tray-J1, and 2.5inch/80GB HDD* Are Attached:

* If you are using the imageRUNNER ADVANCE C2230/C2225/C2220, Paper Drawer 2 and 2.5inch/80GB HDD are standard-equipped.



1 Output Tray

Prints and copies are output to this tray.

2 Control Panel

Includes the keys, touch panel display, and indicators required for operating the machine.

3 Feeder (Optional)

Originals placed in the feeder are fed one sheet at a time to the platen glass for scanning.

4 USB Port (1)

USB port to connect USB memory to the machine.

5 Upper Right Cover of the Main Unit

Open this cover when clearing a paper jam inside the main unit.

6 LAN Port

Use an Ethernet cable to connect the machine to a network.

7 USB Port (2)

Use the USB port to insert a USB cable for connecting to a computer.

8 USB Port (3)

Use the USB port to connect external hard disks and other devices to the machine.

9 Lower Right Cover of the Main Unit

Open this cover when clearing a paper jam inside the main unit.

10 Multi-Purpose Tray

Use the multi-purpose tray to feed paper manually, and for loading nonstandard paper stock, such as envelopes.

11 Paper Drawer's Upper Right Cover

Open this cover when clearing a paper jam inside the main unit.

12 Paper Drawer 2

Holds up to 550 sheets of paper (80 g/m²). If you are using the imageRUNNER ADVANCE C2220L, Paper Drawer 2 is an optional product.

13 Paper Drawer 1

Holds up to 520 sheets of paper. The imageRUNNER ADVANCE C2220L can only load 250 sheets of paper (80 g/m²).

14 Main Power Switch

Press to the "I" side to turn the power ON.

15 Waste Toner Container

Waste toner accumulates here.

16 LINE 2

Use this port to connect the Super G3 2nd Line Fax Board to the machine.

17 LINE 1

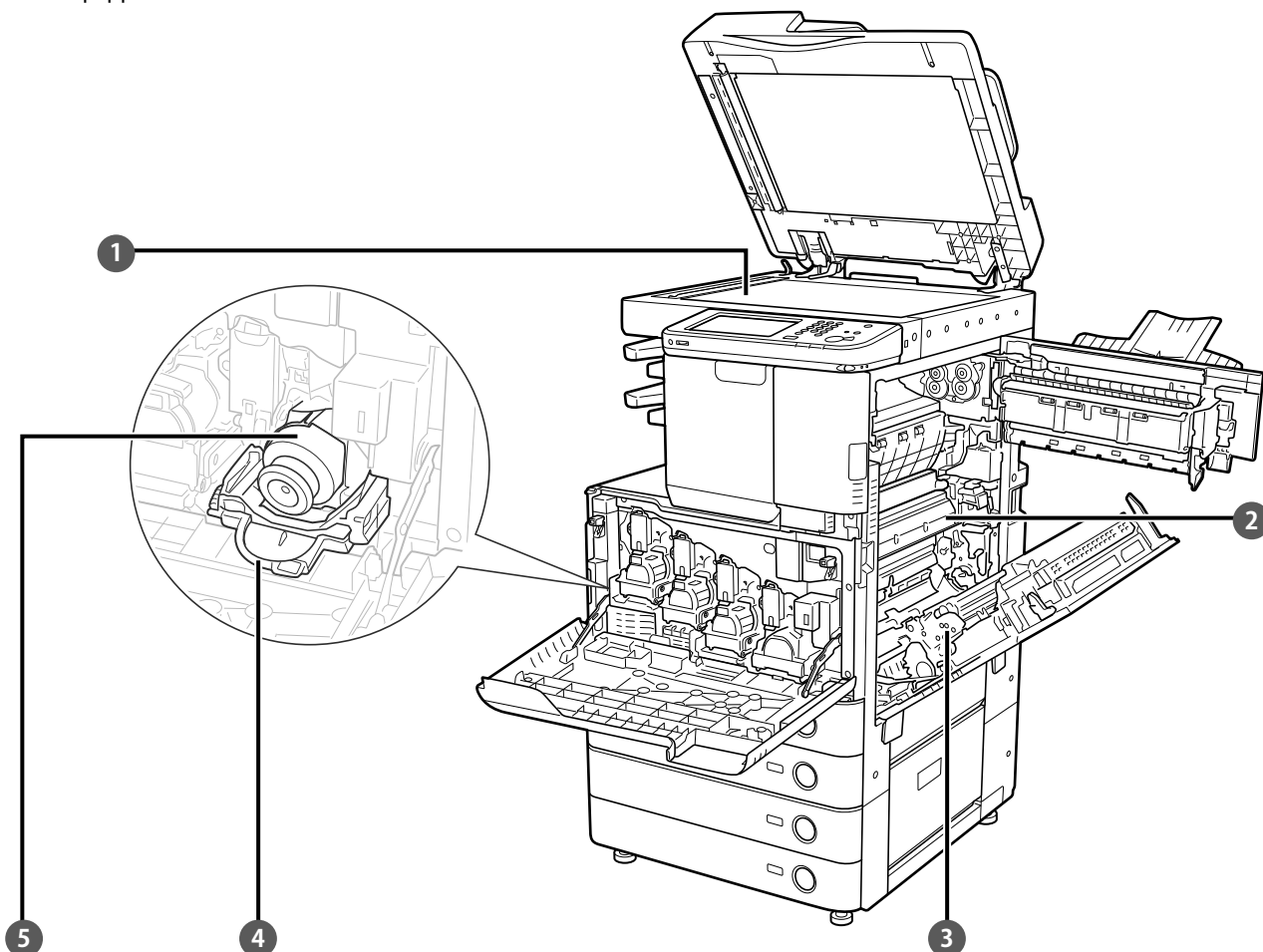
Use this port to connect a fax line to the machine.

Internal View

This section contains an external view of the imageRUNNER ADVANCE C2220L.

When the DADF-AJ1, Cassette Module-X1*, Cassette Feeding Unit-AF1, Inner Finisher-F1, 3 Way Unit-C1, Inner Finisher Additional Tray-A1, Copy Tray-J1, and 2.5inch/80GB HDD* Are Attached:

* If you are using the imageRUNNER ADVANCE C2230/C2225/C2220, Paper Drawer 2 and 2.5inch/80GB HDD are standard-equipped.



1 Platen Glass

Use the platen glass when scanning books, thick originals, thin originals, transparencies, etc.

2 Upper Cover of the Fixing Unit

Open this cover to clear a paper jam in the fixing unit.

3 Duplexing Unit

Pull out the duplexing unit to clear a paper jam.

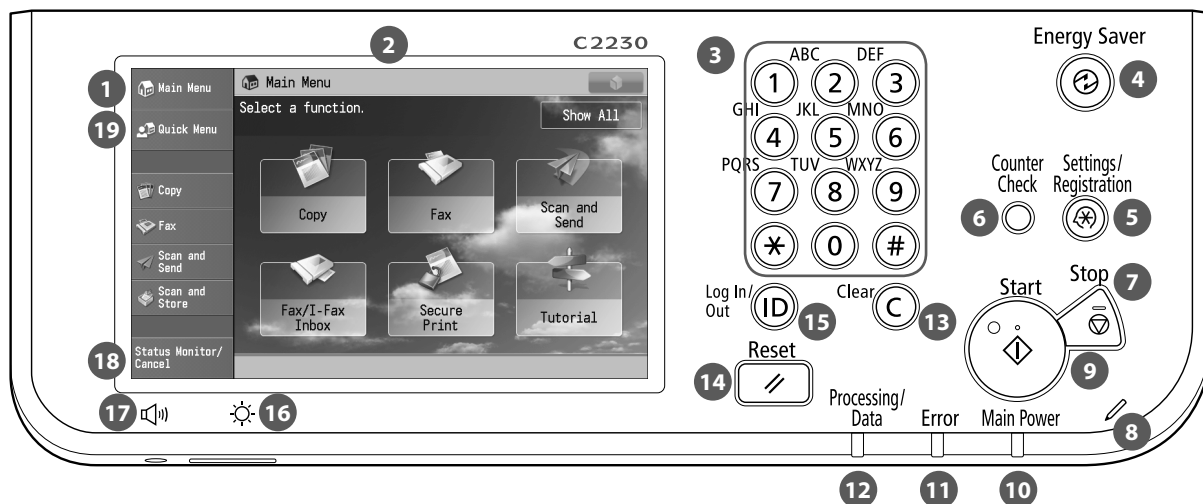
4 Toner Replacement Cover

Open this cover to replace the toner cartridge.

5 Toner Cartridge

When toner runs out, pull out the toner cartridge, and replace it with a new one.

Control Panel Parts and Functions



1 [Main Menu]

Press to display the Main Menu screen. If the Main Menu screen is not displayed when using a function, it is necessary to press [Main Menu] before using the function.

2 Touch Panel Display

The settings screen for each function is shown on this display. Six function keys are displayed by default.

3 Numeric keys

Press to enter numerical values.

4 Energy Saver key

Press to set or cancel the Sleep mode. Lights when the machine enters the Sleep mode.

5 Settings/Registration key

Press to specify settings/registration.

6 Counter Check key

Press to display the copy and print count totals on the touch panel display.

7 Stop key

Press to stop a job in progress, such as a scan, copy, or fax (scanning only) job.

8 Edit Pen

Use when operating the touch panel display, such as to enter characters.

9 Start key

Press to start an operation.

10 Main Power Indicator

Lights when the main power is turned ON.

11 Error Indicator

Flashes or lights if there is an error in the machine. When the Error indicator flashes, follow the instructions that appear on the touch panel display. When the Error indicator maintains a steady red light, contact your local authorized Canon dealer.

12 Processing/Data Indicator

Flashes or blinks green when the machine is performing operations, and maintains a steady green light when fax data is stored in memory.

13 Clear key

Press to clear entered values or characters.

14 Reset key

Press to restore the standard settings of the machine.

15 ID (Log In/Out) key

Press to log in/out when a login service such as Department ID Management or SSO-H has been set.

16 Brightness Adjustment Dial

Use to adjust the brightness of the touch panel display.

17 Volume Settings key

Press to display the screen for adjusting settings, such as the transmission volume and fax sending/receiving alarm volume.

18 [Status Monitor/Cancel]

Press to check the status of jobs or to cancel print jobs. Also, you can check the status of the machine such as the amount of paper remaining in the paper source.

19 [Quick Menu]

Press to display functions registered in the Quick Menu.



Main Power and Energy Saver Key

The machine is provided with, a main power switch and the Energy Saver key.

How to Turn ON the Main Power

This section explains how to turn ON the main power.



IMPORTANT

If you want to turn OFF the main power and then back ON again, wait for at least 10 seconds after the main power indicator is turned OFF before turning ON the main power. However, when [Quick Startup Settings for Main Power] is enabled, if you don't wait more than 20 seconds after the Main Power indicator is turned OFF, quick startup is not performed.

1

Make sure that the power plug is firmly inserted into the power outlet.

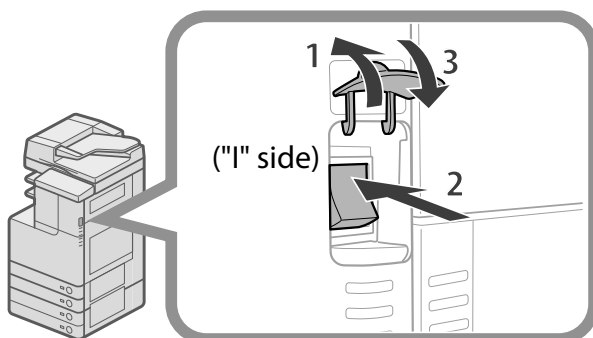


WARNING

Do not connect or disconnect the power cord with wet hands, as this may result in electrical shock.

2

Turn ON the main power.




1. Open the main power switch cover.
2. Press the main power switch to the "I" side.
3. Close the main power switch cover.

The Main Power indicator on the control panel lights when you turn ON the main power switch.


Various screens appear when system software is loading.


If you are using a login service, log in using the procedure for the login service you are using.

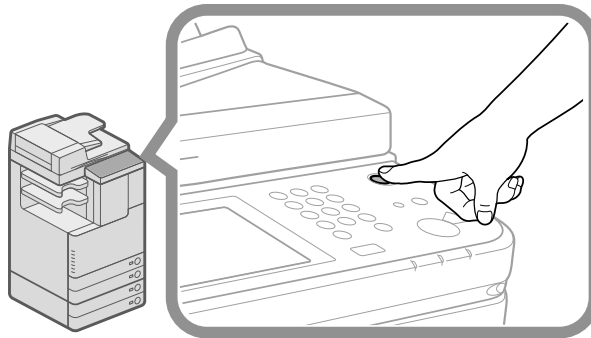
NOTE

- You can change the default display that appears after the machine is turned ON from [Default Screen after Startup/Restoration] on the Settings/Registration screen. (See e-Manual > Settings/Registration.)
- If this machine is connected to a powered off Macintosh computer by USB cable, the computer may turn on automatically when this machine does. In this case, disconnect the USB cable from the machine. You may also be able to solve this problem by using a USB hub between the machine and the Macintosh.
- The response of the buttons and keys may not be optimal immediately after you turn ON the main power of the machine.
- If [Quick Startup Settings for Main Power] in [Preferences] (Settings/Registration) and [Sleep Mode Tone], which appears when you press  on the control panel, are both set to 'On', the tone sounds when turning OFF the main power of the machine. (Depending on the situations, the machine does not startup quickly and the tone does not sound.)
- Depending on the conditions under which the machine is being used, the machine may not startup quickly if you set [Quick Startup Settings for Main Power] to 'On'. For more information, see e-Manual > Settings/Registration.
- If you are using Department ID Management with the Copy Card Reader-F1, see e-Manual > Optional Products/Software.
- If you are using Department ID Management, see e-Manual > Basic Operations.
- If you are using SSO-H, see e-Manual > Basic Operations.

Energy Saver Key

You can press  (Energy Saver) to make the machine enter the Sleep mode and reduce power consumption. If the machine is idle for a certain period of time, the machine will enter the Auto Sleep mode to minimize energy consumption.

Press  (Energy Saver) to cancel the Sleep mode and resume normal machine operations.



NOTE

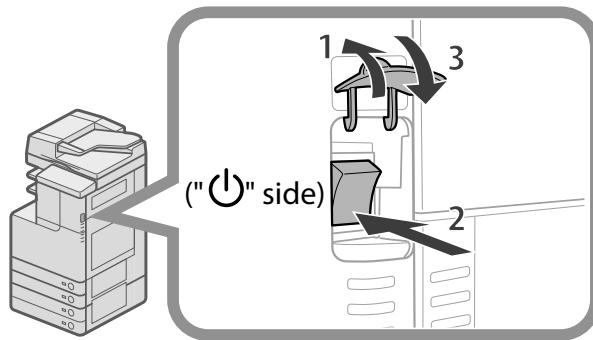
The machine can receive and print documents from a personal computer when it is in the Sleep mode. I-fax and fax documents can also be received while the machine is in the Sleep mode.

Shutting Down the Machine

This machine performs a procedure to protect the memory when the machine is shut down.

This enables the machine to be shut down safely, even if there are any jobs being processed, or a MEAP application is running while the machine is shutting down.

Turn OFF the main power.




1. Open the main power switch cover.
2. Press the main power switch to the "power off" side.
3. Close the main power switch cover.

IMPORTANT

- Do not turn the main power OFF while using the Fax/I-Fax function. Sending or receiving I-fax or fax documents cannot be done when the main power is turned OFF.
- The machine may take some time to completely shutdown. Do not unplug the power cord until the main power indicator of the machine is OFF.
- If the main power is turned OFF during scanning or printing, a paper jam may occur.

NOTE

- You can shut down the machine from the Remote UI using the Remote Shutdown mode. For more information, see e-Manual > Remote UI.
- If [Quick Startup Settings for Main Power] in [Preferences] (Settings/Registration) and [Sleep Mode Tone], which appears when you press  on the control panel, are both set to 'On', the tone sounds when turning OFF the main power of the machine. (Depending on the situations, the machine does not startup quickly and the tone does not sound.)



Specifications

Specifications are subject to change without notice for product improvement or future release.

Main Unit

Item	Specifications
Name	Canon imageRUNNER ADVANCE C2230/C2225/C2220/C2220L
Type	Desktop
Resolution for Reading	600 x 600 dpi
Resolution for Writing	1,200 x 1,200 dpi
Number of Tones	256
Available Paper	<p>Paper Drawers:</p> <p>Weight:</p> <p>Paper Drawer 1: 64 to 120 g/m²</p> <p>Paper Drawer 2^{*1}: 64 to 163 g/m²</p> <p>Type:</p> <p>Paper Drawer 1:</p> <p>Thin, Plain 1 (65 to 82 g/m²), Plain 2 (83 to 99 g/m²), Plain 3 (100 to 105 g/m²), Recycled, Color, Pre-Punched, Bond, and Heavy 1 (106 to 120 g/m²)</p> <p>Paper Drawer 2^{*1}:</p> <p>Thin, Plain 1 (65 to 82 g/m²), Plain 2 (83 to 99 g/m²), Plain 3 (100 to 105 g/m²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m²), Heavy 2 (121 to 163 g/m²), Transparency, and Envelopes</p> <p>^{*1} The Cassette Module-X1 is required to use Paper Drawer 2 when you are using the imageRUNNER ADVANCE C2220L.</p> <p>Multi-Purpose Tray:</p> <p>Weight:</p> <p>64 to 220 g/m²</p> <p>Type:</p> <p>Thin, Plain 1 (65 to 82 g/m²), Plain 2 (83 to 99 g/m²), Plain 3 (100 to 105 g/m²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m²), Heavy 2 (121 to 163 g/m²), Heavy 3 (164 to 220 g/m²), Tracing, Coated, Labels, Transparency, and Envelopes</p>
Acceptable Originals	Sheet, book, three dimensional objects (up to 2 kg)
Paper Sizes	<p>Paper Drawer 1:</p> <p>A3, B4, A4, and B5 (imageRUNNER ADVANCE C2230/C2225/C2220)</p> <p>A3, B4, A4, A4R, B5, B5R, A5R, and Custom size (148 mm x 182 mm to 297 mm x 420 mm) (imageRUNNER ADVANCE C2220L)</p> <p>Paper Drawer 2^{*1}:</p> <p>A3, B4, A4, A4R, B5, B5R, A5R, Custom Size (139.7 x 182 mm to 304.8 x 457.2 mm), and Envelopes</p> <p>Multi-Purpose Tray:</p> <p>305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom Size (99 x 139.7 mm to 320 x 457.2 mm), and Envelopes^{*2}</p> <p>^{*1} The Cassette Module-X1 is required to use Paper Drawer 2 when you are using the imageRUNNER ADVANCE C2220L.</p> <p>^{*2} Kakugata 2 envelopes can only be loaded horizontally.</p>
Warm-Up Time*	<p>After Powering ON (when [Quick Startup Settings for Main Power] is set to 'Off'): 34 seconds</p> <p>After Powering ON (when [Quick Startup Settings for Main Power] is set to 'On'): 10 seconds</p> <p>The time until key operations can be performed on the touch panel display is 7 seconds or less. Even if [Quick Startup Settings for Main Power] is set to 'On', the machine does not startup quickly, depending on the situations.</p> <p>Returning from the Sleep mode: 10 seconds</p> <p>* Activation time may vary depending on the environment and conditions under which the machine is being used. (At a room temperature of 20°C in all above cases.)</p>
First Copy Time	<p>Full Color: 8.9 seconds</p> <p>Black-and-White: 5.9 seconds</p>

Item	Specifications																																
Copy Speed*	<div>1:1 (sheet/minute)</div> <table><thead><tr><th></th><th>imageRUNNER ADVANCE C2230</th><th>imageRUNNER ADVANCE C2225</th><th>imageRUNNER ADVANCE C2220/C2220L</th></tr></thead><tbody><tr><td>A3</td><td>15</td><td>15</td><td>15</td></tr><tr><td>B4</td><td>15</td><td>15</td><td>15</td></tr><tr><td>A4</td><td>30</td><td>25</td><td>20</td></tr><tr><td>A4R</td><td>20</td><td>20</td><td>20</td></tr><tr><td>B5</td><td>30</td><td>25</td><td>20</td></tr><tr><td>B5R</td><td>20</td><td>20</td><td>20</td></tr><tr><td>A5R</td><td>30</td><td>25</td><td>20</td></tr></tbody></table> <div>* Except when paper is fed from the multi-purpose tray. The copy speed may vary depending on the settings for paper type, paper size, and the sending method. When continuously copying, adjustments for machine temperature or image quality may cause machine operations to pause or become slow.</div>		imageRUNNER ADVANCE C2230	imageRUNNER ADVANCE C2225	imageRUNNER ADVANCE C2220/C2220L	A3	15	15	15	B4	15	15	15	A4	30	25	20	A4R	20	20	20	B5	30	25	20	B5R	20	20	20	A5R	30	25	20
	imageRUNNER ADVANCE C2230	imageRUNNER ADVANCE C2225	imageRUNNER ADVANCE C2220/C2220L																														
A3	15	15	15																														
B4	15	15	15																														
A4	30	25	20																														
A4R	20	20	20																														
B5	30	25	20																														
B5R	20	20	20																														
A5R	30	25	20																														
Margin	Top: 4.0 mm Left and Right: 2.5 mm Bottom: 2.5 mm																																
Magnification	<div>Regular paper size Same Ratio</div> <div>1:1</div> <div>Reduction</div> <div>1:0.86 (A3 → B4/A4 → B5)</div> <div>1:0.81 (B4 → A4R/B5 → A5R)</div> <div>1:0.70 (A3 → A4R/B4 → B5R)</div> <div>1:0.61 (A3 → B5R)</div> <div>1:0.50 (A3 → A5R)</div> <div>1:0.25</div> <div>Enlargement</div> <div>1:1.15 (B4 → A3/B5 → A4)</div> <div>1:1.22 (A4R → B4/A5 → B5)</div> <div>1:1.41 (A4R → A3/B5R → B4)</div> <div>1:2.00 (A5R → A3)</div> <div>1:4.00</div> <div>Copy Ratio: 25 to 400% (in 1% increment)</div>																																
Paper Feeding System/Capacity	<div>Paper Drawer 1:</div> <div>imageRUNNER ADVANCE C2230/C2225/C2220:</div> <div>640 sheets (64 g/m²), 520 sheets (80 g/m²)</div> <div>imageRUNNER ADVANCE C2220L:</div> <div>270 sheets (64 g/m²), 250 sheets (80 g/m²)</div> <div>Paper Drawer 2^{*1}:</div> <div>680 sheets (64 g/m²), 550 sheets (80 g/m²)</div> <div>Multi-Purpose Tray:</div> <div>100 sheets (80 g/m²)</div> <div>*1 The Cassette Module-X1 is required to use Paper Drawer 2 when you are using the imageRUNNER ADVANCE C2220L.</div>																																
Multiple Copies	1 to 999 sheets																																
Memory Capacity	2 GB																																
Hard Disk Capacity ^{*1*2}	160GB (Used space: 80GB) *1 The hard disk capacity is subject to change in future release. *2 The hard disk is not standard-equipped for imageRUNNER ADVANCE C2220L.																																
Power Source	220 - 240 V AC, 50/60 Hz, 4.0A																																
Power Consumption	<div>Maximum Power Consumption:</div> <div>1.5 kW</div> <div>When the machine is in the Sleep mode*:</div> <div>0.8 W</div> <div>When the main power switch is turned OFF:</div> <div>When [Quick Startup Settings for Main Power] is set to 'On': 0.45 W</div> <div>When [Quick Startup Settings for Main Power] is set to 'Off': 0.19 W</div> <div>* Depending on the system and conditions of use, these values may differ.</div>																																

Item	Specifications
Dimensions (H x W x D)	imageRUNNER ADVANCE C2230/C2225/C2220: 791 mm x 565 mm x 680 mm imageRUNNER ADVANCE C2220L: 791 mm x 565 mm x 650 mm
Weight	imageRUNNER ADVANCE C2230/C2225/C2220: Approximately 79 kg imageRUNNER ADVANCE C2220L: Approximately 75 kg
Installation Space (W x D)	imageRUNNER ADVANCE C2230/C2225/C2220: 846 mm x 680 mm (when the multi-purpose tray is extended) imageRUNNER ADVANCE C2220L: 846 mm x 650 mm (when the multi-purpose tray is extended)

Feeder (DADF-AJ1)

Item	Specifications
Original Feeding Mechanism	Automatic Document Feeder
Size and Weight of Originals	Size: A3, B4, A4, A4R, A5, A5R, B5, B5R, or B6 Weight: 1-sided scanning: 42 to 128 g/m ² 2-sided scanning: 50 to 128 g/m ²
Original Tray Capacity	50 sheets (80 g/m ²)
Original Scanning Speed	Copying: 1-sided scanning: 30 sheets/minute (A4 in Black-and-White/Full Color at 600 dpi) Scanning: 1-sided scanning: 51 sheets/minute (A4 in Black-and-White/Full Color at 300 dpi)
Power Source/Consumption	From the main unit/Approximately 30 W
Dimensions (H x W x D)	138 mm x 565 mm x 540 mm
Weight	Approximately 7.9 kg

Cassette Feeding Unit-AF1

Item	Specifications
Paper Sizes	A3, B4, A4, A4R, B5, B5R, A5R, and Custom size (139.7 mm x 182 mm to 304.8 mm x 457.2 mm)
Paper Drawers Capacity	550 sheets x 2 cassettes (80 g/m ²) 680 sheets x 2 cassettes (64 g/m ²)
Power Source/Maximum Power Consumption	From the main unit/Approximately 30 W
Dimensions (H x W x D)	248 mm x 565 mm x 650 mm
Weight	Approximately 27.5 kg

Envelope Feeder Attachment-D1

Item	Specifications
Acceptable Envelopes	COM10 No.10, Monarch, DL, and ISO-C5
Capacity	50 sheets (or 30 mm in height)

Item	Specifications
Feeding Speed	Monarch, DL, ISO-C5: 12 cpm COM10 No.10: 10 cpm
Dimensions (H x W x D)	81 mm x 439 mm x 307 mm
Weight	Approximately 1.2 kg

Staple Finisher-M1

Item	Specifications
Paper Size/Weight/Type	<p>Size: 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99mm x 139.7 mm to 320 x 457.2 mm) and Envelopes</p> <p>Weight: 64 to 220 g/m²</p> <p>Type: Thin, Plain 1 (65 to 82 g/m²), Plain 2 (83 to 99 g/m²), Plain 3 (100 to 105 g/m²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m²), Heavy 2 (121 to 163 g/m²), Heavy 3 (164 to 220 g/m²), Tracing, Coated, Labels, Transparency, and Envelopes*</p> <p>* If an envelope is loaded vertically, it cannot be output from the Staple Finisher-M1.</p>
Capacity Per Tray (Upper Tray)	<p>No finishing set, Collate, Group mode: A4, B5, A5, and A5R: 1,300 sheets (or 188 mm in height) 305 x 457 mm, 320 x 450 mm (SRA), A3, B4, A4R, and B5R: 650 sheets (or 96 mm in height)</p> <p>Collate + Offset, Group + Offset mode: A4 and B5: 1,300 sheets (or 188 mm in height) A3, B4, and A4R: 650 sheets (or 96 mm in height)</p> <p>Staple mode: A4 and B5: 1,300 sheets/30 sets (or 188 mm in height) A3, B4, and A4R: 650 sheets/30 sets (or 96 mm in height)</p> <p>No finishing set, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height)</p> <p>Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)</p>
Capacity Per Tray (Lower Tray)	<p>No finishing set, Collate, Group mode: A4, B5, A5, and A5R: 1,700 sheets (or 243 mm in height) 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4R, and B5R: 650 sheets (or 96 mm in height)</p> <p>Collate + Offset, Group + Offset mode: A4 and B5: 1,700 sheets (or 243 mm in height) A3, B4, and A4R: 650 sheets (or 96 mm in height)</p> <p>Staple mode: A4 and B5: 1,700 sheets/30 sets (or 243 mm in height) A3, B4, and A4R: 650 sheets/30 sets (or 96 mm in height)</p> <p>No finishing set, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height)</p> <p>Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)</p>

Item	Specifications
Max. Stapling Capacity/Available Staple Size	Corner Staple/Double Staple mode: A4 and B5: 50 sheets (64 to 82 g/m ²) 30 sheets (83 to 105 g/m ²) 2 sheets (106 to 220 g/m ²) A3, B4, and A4R: 30 sheets (64 to 82 g/m ²) 20 sheets (83 to 105 g/m ²) 2 sheets (106 to 220 g/m ²)
Power Source/Maximum Power Consumption	From the main unit/Approximately 84 W
Dimensions (H x W x D)	1,097 mm x 673 mm x 647 mm (when the auxiliary tray is extended)
Weight	Approximately 46 kg
Installation Space Including the Main Unit (W x D)	imageRUNNER ADVANCE C2230/C2225/C2220: 1,577 mm x 680 mm imageRUNNER ADVANCE C2220L: 1,577 mm x 650 mm (when the multi-purpose tray and the auxiliary tray are extended)

Booklet Finisher-M1

Item	Specifications
Paper Size/Weight/Type	Size: 305 x 457 mm, 320 x 450 mm(SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99mm x 139.7 mm to 320 x 457.2 mm) and Envelopes Weight: 64 to 220 g/m ² Type: Thin, Plain 1 (65 to 82 g/m ²), Plain 2 (83 to 99 g/m ²), Plain 3 (100 to 105 g/m ²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m ²), Heavy 2 (121 to 163 g/m ²), Heavy 3 (164 to 220 g/m ²), Tracing, Coated, Labels, Transparency, and Envelopes* * If an envelope is loaded vertically, it cannot be output from the Booklet Finisher-M1.
Capacity Per Tray (Upper Tray)	No finishing set, Collate, Group mode: A4, B5, A5, and A5R: 1,300 sheets (or 188 mm in height) 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4R, and B5R: 650 sheets (or 96 mm in height) Collate + Offset, Group + Offset mode: A4 and B5: 1,300 sheets (or 188 mm in height) A3, B4, and A4R: 650 sheets (or 96 mm in height) Staple mode: A4 and B5: 1,300 sheets/30 sets (or 188 mm in height) A3, B4, and A4R: 650 sheets/30 sets (or 96 mm in height) No finishing set, Collate, Group mode with different paper sizes: 650 sheets (or 96 mm in height) Staple mode with different paper sizes: 650 sheets/30 sets (or 96 mm in height)

Item	Specifications
Capacity Per Tray (Lower Tray)	<p>No finishing set, Collate, Group mode:</p> <p>A4, B5, A5, and A5R:</p> <p>1,700 sheets (or 243 mm in height)</p> <p>305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4R, and B5R:</p> <p>650 sheets (or 96 mm in height)</p> <p>Collate + Offset, Group + Offset mode:</p> <p>A4 and B5:</p> <p>1,700 sheets (or 243 mm in height)</p> <p>A3, B4, and A4R:</p> <p>650 sheets (or 96 mm in height)</p> <p>Staple mode:</p> <p>A4 and B5:</p> <p>1,700 sheets/30 sets (or 243 mm in height)</p> <p>A3, B4, and A4R:</p> <p>650 sheets/30 sets (or 96 mm in height)</p> <p>No finishing set, Collate, Group mode with different paper sizes:</p> <p>650 sheets (or 96 mm in height)</p> <p>Staple mode with different paper sizes:</p> <p>650 sheets/30 sets (or 96 mm in height)</p>
Max. Stapling Capacity/Available Staple Size	<p>Corner Staple/Double Staple mode:</p> <p>A4 and B5:</p> <p>50 sheets (64 to 82 g/m²)</p> <p>30 sheets (83 to 105 g/m²)</p> <p>2 sheets (106 to 220 g/m²)</p> <p>A3, B4, and A4R:</p> <p>30 sheets (64 to 82 g/m²)</p> <p>20 sheets (83 to 105 g/m²)</p> <p>2 sheets (106 to 220 g/m²)</p>
Max. Saddle Stitch Capacity/Available Saddle Stitch Size	<p>Saddle Stitch:</p> <p>11 to 16 sheets (64 to 82 g/m²)</p> <p>6 to 10 sheets (83 to 105 g/m²)</p> <p>1 to 5 sheets (106 to 120 g/m²)</p> <p>Saddle Folding:</p> <p>1 sheet (64 to 209 g/m²)</p> <p>Size:</p> <p>305 x 457 mm, A3, B4, and A4R</p>
Power Source/Maximum Power Consumption	From the main unit/Approximately 118 W
Dimensions (H x W x D)	1,097 mm x 786 mm x 656 mm (when the auxiliary tray is extended)
Weight	Approximately 75 kg
Installation Space Including the Main Unit (W x D)	<p>imageRUNNER ADVANCE C2230/C2225/C2220:</p> <p>1,689 mm x 680 mm</p> <p>imageRUNNER ADVANCE C2220L:</p> <p>1,689 mm x 650 mm</p> <p>(when the multi-purpose tray and the auxiliary tray are extended)</p>

Inner Finisher-F1

Item	Specifications
Paper Size/Weight/Type	<p>Size:</p> <p>305 x 457 mm, 320 x 450 mm (SRA3), A3, A4, A4R, A5, A5R, Custom size (99mm x 139.7 mm to 320 mm x 457.2 mm) and Envelopes</p> <p>Weight:</p> <p>64 to 220 g/m²</p> <p>Type:</p> <p>Thin, Plain 1 (65 to 82 g/m²), Plain 2 (83 to 99 g/m²), Plain 3 (100 to 105 g/m²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m²), Heavy 2 (121 to 163 g/m²), Heavy 3 (164 to 220 g/m²), Tracing, Coated, Labels, Transparency, and Envelopes*</p> <p>* If an envelope is loaded vertically, it cannot be output from the Inner Finisher-F1.</p>
Capacity Per Tray (Standard Tray)*	<p>No finishing set, Collate, Group mode:</p> <p>A4, B5, A5, and A5R:</p> <p>750 sheets (or 94 mm in height)</p> <p>305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4R, and B5R:</p> <p>500 sheets (or 62.5 mm in height)</p> <p>Collate + Offset, Group + Offset mode:</p> <p>A4 and B5:</p> <p>750 sheets (or 94 mm in height)</p> <p>A3, B4, and A4R:</p> <p>350 sheets (or 44 mm in height)</p> <p>Staple mode:</p> <p>A4 and B5:</p> <p>30 sets (or 94 mm in height)</p> <p>A3, B4, and A4R:</p> <p>30 sets (or 44 mm in height)</p> <p>No finishing set, Collate, Group mode with different paper sizes:</p> <p>350 sheets (or 44 mm in height)</p> <p>Staple mode with different paper sizes:</p> <p>30 sets (or 44 mm in height)</p> <p>* The number of sheets or sets which the tray can hold may vary, depending on the output settings.</p>
Capacity Per Tray (Inner Finisher Additional Tray-A1)	<p>No finishing set, Collate, Group, Collate + Offset, Group + Offset mode:</p> <p>305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, and A5R:</p> <p>100 sheets (or 12.5 mm in height)</p> <p>Staple mode:</p> <p>A3, B4, A4, A4R, and B5:</p> <p>15 sets (or 8.1 mm in height)</p> <p>No finishing set, Collate, Group mode with different paper sizes:</p> <p>100 sheets (or 12.5 mm in height)</p> <p>Staple mode with different paper sizes:</p> <p>15 sets (or 8.1 mm in height)</p>
Max. Stapling Capacity/Available Staple Size	<p>Corner Staple/Double Staple mode:</p> <p>A4 and B5:</p> <p>50 sheets (64 g/m² to 82 g/m²)</p> <p>30 sheets (83 to 105 g/m²)</p> <p>2 sheets (106 to 220 g/m²)</p> <p>A3, B4, and A4R:</p> <p>30 sheets (64 to 82 g/m²)</p> <p>20 sheets (83 to 105 g/m²)</p> <p>2 sheets (106 to 220 g/m²)</p>
Power Source/Maximum Power Consumption	From the main unit/Approximately 39 W
Dimensions (H x W x D)	260 mm x 590 mm x 550 mm (when the auxiliary tray is extended)
Weight	Approximately 14.0 kg (when the optional Inner Finisher Additional Tray-A1 is attached)

Item	Specifications
Installation Space Including the Main Unit (W x D)	imageRUNNER ADVANCE C2230/C2225/C2220: 1,021 mm x 680 mm imageRUNNER ADVANCE C2220L: 1,021 mm x 650 mm (when the multi-purpose tray and the auxiliary tray are extended)

Inner Finisher Additional Tray-A1

Item	Specifications
Paper Size/Weight/Type	See the specifications of "Paper Size/Weight/Type" in Inner Finisher-F1.
Capacity Per Tray	See the specifications of "Capacity Per Tray (Inner Finisher Additional Tray-A1)" in Inner Finisher-F1.
Dimensions (H x W x D)	70 mm x 382 mm x 450 mm
Weight	Approximately 1.4 kg

Inner 2Way Tray-F1

Item	Specifications
Paper Size/Weight/Type	Size: 305 x 457 mm, 320 x 450 mm(SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99mm x 139.7 mm to 320 x 457.2 mm) and Envelopes Weight: 64 to 220 g/m ² Type: Thin, Plain 1 (65 to 82 g/m ²), Plain 2 (83 to 99 g/m ²), Plain 3 (100 to 105 g/m ²), Recycled, Color, Pre-Punched, Bond, Heavy 1 (106 to 120 g/m ²), Heavy 2 (121 to 163 g/m ²), Heavy 3 (164 to 220 g/m ²), Tracing, Coated, Labels, Transparency, and Envelopes
Capacity Per Tray	Tray A: A4, B5, B5R, A5, and Envelopes 250 sheets (80 g/m ²) A5R 150 sheets (80 g/m ²) 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4R and Custom size (99 mm x 139.7 mm to 320 mm x 457.2 mm) 100 sheets (80 g/m ²) Tray B: 305 x 457 mm, 320 x 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Custom size (99 mm x 139.7 mm to 320 mm x 457.2 mm) and Envelopes* 100 sheets (80 g/m ²) * If an envelope is loaded vertically, it cannot be output from Tray B.
Dimensions (H x W x D)	76 mm x 426 mm x 407 mm
Weight	Approximately 574 g
Installation Space Including the Main Unit	imageRUNNER ADVANCE C2230/C2225/C2220: 846 mm x 680 mm imageRUNNER ADVANCE C2220L: 846 mm x 650 mm (when the multi-purpose tray and the auxiliary tray are extended)

Copy Tray-J1

Item	Specifications
Paper Size/Weight/Type	Size: A3, B4, A4, A4R, B5, B5R, and A5R Weight: 64 to 120 g/m ² Type: Thin, Plain 1 (65 to 82 g/m ²), Plain 2 (83 to 99 g/m ²), Plain 3 (100 to 105 g/m ²), Recycled, Color, Pre-Punched, Bond, and Heavy 1 (106 to 120 g/m ²)
Capacity	A4, B5, B5R, and A5R: 100 sheets (80 g/m ²) A3, B4, and A4R: 75 sheets (80 g/m ²)
Dimensions (H x W x D)	124 mm x 365 mm x 373 mm (when the auxiliary tray is extended) 87 mm x 243 mm x 373 mm (when the auxiliary tray is not extended)
Weight	Approximately 438 g
Installation Space Including the Main Unit (W x D)	imageRUNNER ADVANCE C2230/C2225/C2220: 912 mm x 680 mm imageRUNNER ADVANCE C2220L: 912 mm x 650 mm (when the auxiliary tray is extended)

Copy Card Reader-F1

Item	Specifications
Available Cards	Magnetic
Card Readout Method	Magnetic readout
Magnetic Card Reading Direction	Face up
Store/Replay	Replay
Power Source	From the main unit
Dimensions (H x W x D)	40 mm x 88 mm x 96 mm (excluding the attachment kit and cable)
Weight	Approximately 200 g (including the attachment kit and cable)

Super G3 FAX Board-AH2



NOTE

Specifications remain the same even when the Super G3 2nd Line Fax Board is installed.

Item	Specifications
Telephone Line Used ^{*1}	Public Switched Telephone Network
Scan line Density (Scan, Transmission)	Normal: 8 pels ² /mm x 3.85 line/mm Fine: 8 pels ² /mm x 7.7 line/mm Super-Fine: 8 pels ² /mm x 15.4 line/mm Ultra-Fine: 16 pels ² /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	A3, B4, A4, A4R, B5 ^{*3} , B5R ^{*4} , A5 ^{*4} , A5R ^{*4}
Receiving Paper Sizes	A3, B4, A4, A4R, B5, B5R, A5, A5R
Transmission Times	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 When using an IP telephone service, facsimile communication may not be performed normally via an IP telephone line. It is recommended to use facsimile communication via a general telephone (Public Switched Telephone Network) line.

*2 Pels stands for picture elements (pixels).

*3 Sent as B4.

*4 Sent as A4.

Send Function

● Scan Features

Item	Specifications	
Communication Protocol	FTP (TCP/IP), SMB (TCP/IP), WebDAV	
Data Format	TIFF, JPEG, PDF, XPS, OOXML (Power Point)	
Resolution	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi	
System Environment	Windows 2000 Server SP4, Windows XP Professional SP3, Windows Server 2003 R2 SP2, Windows Vista SP2, Windows Server 2008 SP2, Windows Server 2008 R2 SP2, Windows 7, Solaris 10, Mac OS X 10.4.x/10.5.x/10.6.x, Red Hat Linux 9	
Interface	1000BASE-T, 100BASE-TX, 10BASE-T	
Color Mode	Automatic-Color Select (Full Color/Grayscale), Automatic-Color Select (Full Color/Black-and-White), Full Color, Grayscale, Black-and-White	
Original Type	Text, Text/Photo, Photo	
Other	Preview, Browse Windows (SMB) File Server	
Optional PDF/XPS/OOXML Functions	PDF	Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web ^{*1} , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	Power Point, OCR

*1 PDF files optimized for Web viewing.

● E-Mail and I-Fax Features

Item	Specifications	
Communication Protocol	SMTP, POP3	
I-Fax Communication Mode	Simple, Full	
Resolution	For Sending E-mail	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
	For Sending I-Fax (Black-and-White)	200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi ^{*1} , 300 x 300 dpi ^{*1} , 400 x 400 dpi ^{*1} , 600 x 600 dpi ^{*1}
	For Sending I-Fax (Color)	100 x 100 dpi ^{*1} , 200 x 200 dpi ^{*1} , 300 x 300 dpi ^{*1} , 400 x 400 dpi ^{*1} , 600 x 600 dpi ^{*1}
Format	E-mail	TIFF, JPEG, PDF, XPS, OOXML (Power Point)
	I-Fax (Black-and-White)	TIFF (MH, MR ^{*1} , MMR ^{*1})
	I-Fax (Color):	TIFF(Profile-C) ^{*1}
Original Size	E-mail	A3, B4, A4, A4R, B5, B5R, A5, A5R
	I-Fax	A3, B4, A4, A4R, B5 ^{*2} , B5R ^{*2} , A5 ^{*2} , A5R ^{*2}
Server Software	Microsoft Exchange 2003 SP2, Microsoft Exchange 2007 SP2, Sendmail 8.14.4, Lotus Domino R7.0	
Other	Searches a destination via the LDAP Server, Preview	
Optional PDF/XPS/OOXML Functions (E-mail only)	PDF	Compact, Trace and Smooth, Encryption, OCR, Device Signature, User Signature, Optimization for Web ^{*3} , PDF/A-1b, Reader Extensions
	XPS	Compact, OCR, Device Signature, User Signature
	OOXML	Power Point, OCR

*1 Available after setting RX conditions of the destination.

*2 Sent as A4.

*3 PDF files optimized for Web viewing.

Network Environment

Hardware Specifications

Network Interface	10Base-T/100Base-TX/1000Base-T (RJ-45)
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Software Specifications

Protocol Supported		
TCP/IP	Frame type:	Ethernet II
	Print applications:	LPD/Raw/IPP/IPPS/FTP/WSD/SMB
IPX/SPX	Frame type:	Ethernet II/Ethernet 802.2/Ethernet 802.3/Ethernet SNAP/Auto Detect
	Print applications:	Bindery PServer/NDS PServer/RPrinter/NPrinter
AppleTalk	Frame type:	Ethernet SNAP
	Print application:	PAP (Printer Access Protocol)

Printer Settings

Software Specifications

Command Language	PCL5c, PCL6, PostScript 3
Resident Fonts	PCL: 93 Scalable fonts, 2 OCR fonts, and 10 Bitmap fonts PS: 136 Scalable fonts
Printable Area	<p>PCL5c, PCL6: Reduced to 4.23 mm from the top, bottom, left, and right edges of the paper.</p> <p>PostScript 3: Reduced to 4 mm from the top, bottom, left, and right edges of the paper.</p> <ul style="list-style-type: none">• With 320 x 450 mm (SRA3) size paper, you cannot print in the areas 4 mm from the top and bottom edges of the paper and 7.5 mm from the left and right edges of the paper.• When printing in the 0 mm mode (apart from 320 mm x 450 mm (SRA3)), the upper margin becomes 4 mm, the lower margin becomes 2.5 mm, and the side margins both become 2.5 mm. The printable area is enlarged.• When printing in the 0 mm mode (320 mm x 450 mm (SRA3)), the upper margin becomes 4 mm, the lower margin becomes 2.5 mm, and the side margins both become 7.5 mm. The printable area is enlarged.



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