HIGH QUALITY, EFFICIENT OPERATION, SPACE-SAVING DESIGN

The imageRUNNER ADVANCE 4500 Series is designed to deliver consistent and reliable performance to busy departments and work environments. With an efficient, compact design, these intelligent systems work seamlessly within fleet environments, offer an intuitive user experience, and integrate with Canon's holistic business solutions to help address your needs.

Print up to 51 ppm in black and white

Scan up to 160 ipm (300 dpi) (BW, colour, duplex)

Print up to 11" x 17"

6,330-sheet maximum paper capacity

Workflow Efficiency

- An intuitive user interface with a large, responsive, colour touch-screen with smartphone-like usability helps make it easy to carry out tasks.
- My ADVANCE enables users to have a unique, customized experience that's tailored to their specific workflow needs. Settings, such as display language, initial log-in screen, and accessibility options, can be synchronized across multiple devices for consistency.
- Canon's MEAP platform supports a range of integrated solutions designed to help simplify workflow and achieve a holistic business solution.
- Scalable support for mobile and flexible work styles can help increase efficiency by allowing workers to capture or print documents and access certain cloud applications.[1]
- Scan and convert documents to Searchable PDF, Microsoft® Word, and Microsoft PowerPoint® files through a single-pass, duplexing document feeder that holds up to 150 originals.
- Intelligent features, such as motion sensor technology to wake the device from Sleep mode and the ability to remove blank pages when scanning, can help maximize productivity.

Security[2]

- Control device access by using the standard Universal Login Manager application for authentication.
- Help limit unauthorized distribution of sensitive information with an array of standard and optional document security features.
- Help facilitate information privacy and security by controlling access with IPsec, port filtering capabilities, and SSL technology.

Cost Management

- The ability to apply print policies, monitor output, and restrict usage by user can help reduce unnecessary printing, enable cost recovery, and help save money on paper and toner.
- Tight integration with a variety of output management solutions, such as optional uniFLOW, provides the ability to carry out detailed tracking, reporting, and cost analysis.
- Quality and reliability, combined with remote diagnostics contribute to maximizing uptime and can help reduce time spent by IT resolving issues.
- Consistent user operation, paired with remote and centralized fleet management, can help simplify IT management of a single device or a fleet of devices.

Device and Fleet Management

- The ability to preconfigure devices makes installation easy, and fleet management is simplified with the ability to synchronize settings across multiple compatible devices.
- Canon's device management tools provide a centralized point of control across a fleet of devices, including the ability to check device status and consumables, turn off devices remotely, capture meter readings, and manage address books and printer drivers.
- Standard genuine Adobe® PostScript® and PCL® support integration with enterprise applications, and legacy systems help streamline business processes.
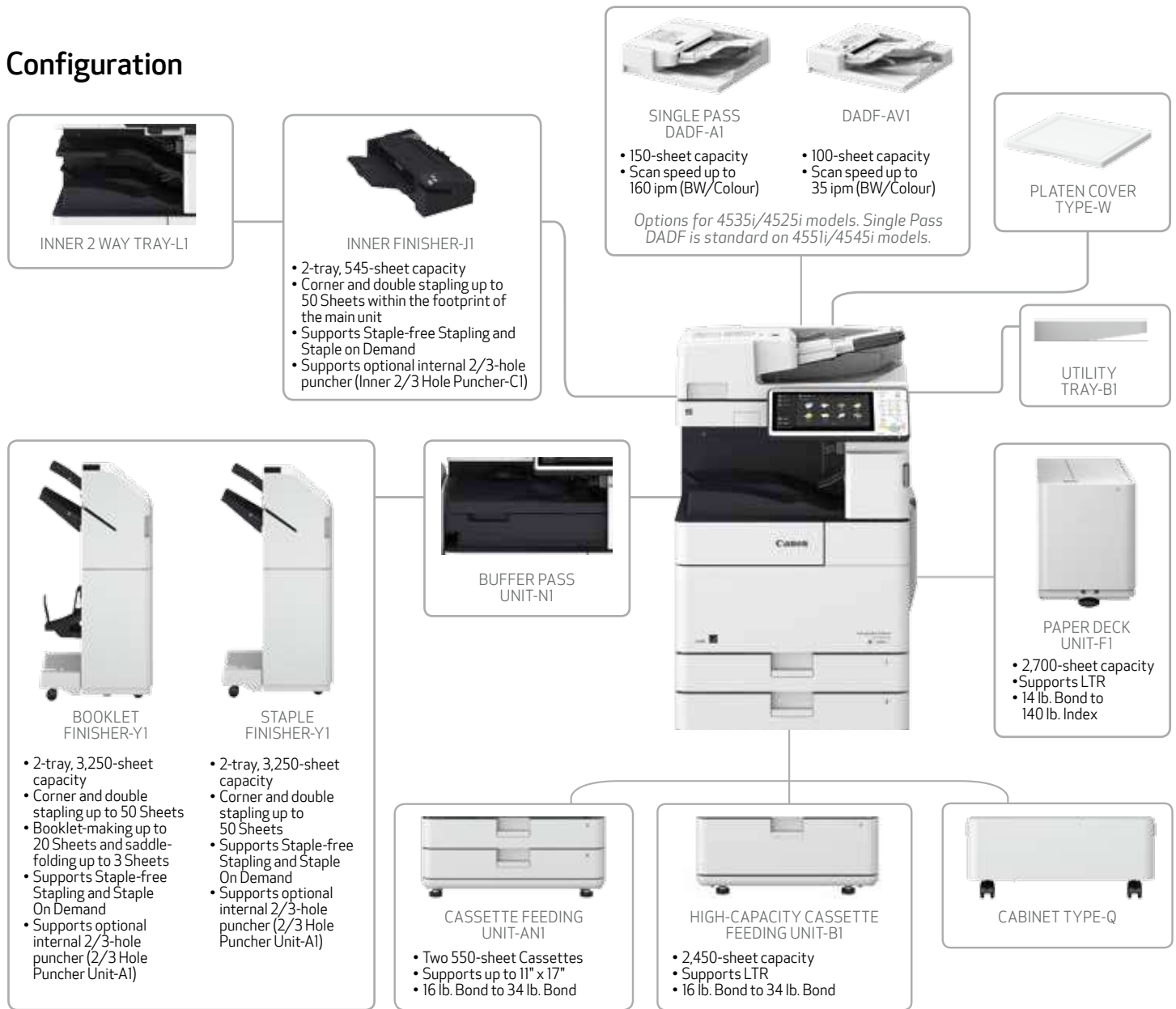
Quality and Reliability

- Canon's signature reliability and engine technologies contribute to high-quality output to meet the needs of busy departments.
- Outstanding imaging technologies and toner allow for consistent images in rich black-and-white tones and 1200-dpi print resolution.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished. These models also include intuitive user maintenance videos, the ability to replace toner on the fly, and automatic job rerouting (with optional solutions).

Sustainability

- Fusing technologies, QF toner, and selectable Sleep mode settings help achieve low energy consumption.
- Help minimize waste with default two-sided printing, the Secure Print feature, and the ability to hold print jobs, preview them, and change print settings at the device so you can achieve the results you want the first time.
- ENERGY STAR® certified

Configuration

SINGLE PASS DADF-A1
- 150-sheet capacity
- Scan speed up to 160 ipm (BW/Colour)

DADF-AV1
- 100-sheet capacity
- Scan speed up to 35 ipm (BW/Colour)

Options for 4535i/4525i models. Single Pass DADF is standard on 4551i/4545i models.

PLATEN COVER TYPE-W

INNER 2 WAY TRAY-L1

INNER FINISHER-J1
- 2-tray, 545-sheet capacity
- Corner and double stapling up to 50 Sheets within the footprint of the main unit
- Supports Staple-free Stapling and Staple on Demand
- Supports optional internal 2/3-hole puncher (Inner 2/3 Hole Puncher-C1)

UTILITY TRAY-B1

BUFFER PASS UNIT-N1

PAPER DECK UNIT-F1
- 2,700-sheet capacity
- Supports LTR
- 14 lb. Bond to 140 lb. Index

BOOKLET FINISHER-Y1
- 2-tray, 3,250-sheet capacity
- Corner and double stapling up to 50 Sheets
- Booklet-making up to 20 Sheets and saddle-folding up to 3 Sheets
- Supports Staple-free Stapling and Staple On Demand
- Supports optional internal 2/3-hole puncher (2/3 Hole Puncher Unit-A1)

STAPLE FINISHER-Y1
- 2-tray, 3,250-sheet capacity
- Corner and double stapling up to 50 Sheets
- Supports Staple-free Stapling and Staple On Demand
- Supports optional internal 2/3-hole puncher (2/3 Hole Puncher Unit-A1)

CASSETTE FEEDING UNIT-AN1
- Two 550-sheet Cassettes
- Supports up to 11" x 17"
- 16 lb. Bond to 34 lb. Bond

HIGH-CAPACITY CASSETTE FEEDING UNIT-B1
- 2,450-sheet capacity
- Supports LTR
- 16 lb. Bond to 34 lb. Bond

CABINET TYPE-Q

Not Shown
- INNER 2/3-HOLE PUNCHER-C1 (for Inner Finisher-J1)
- 2/3-HOLE PUNCHER UNIT-A1 (for External Finishers)

Main Unit

Type
Monochrome Laser Multifunctional

Core Functions
Standard: Print, Copy, Scan, Send, Store
Optional: Fax

Processor
Canon Dual Custom Processor (Shared)

Control Panel
10.1" TFT LCD WSVGA Colour Touch-panel

Memory: 3.0 GB RAM

Hard Disk Drive
Standard: 250 GB/Maximum: 1 TB

Print Resolution: 1200 dpi x 1200 dpi

Interface Connection
Network
Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n)
Optional: NFC, Bluetooth
Others
Standard: USB 2.0 x2 (Host), USB 3.0 x1 (Host), USB 2.0 x1 (Device)
Optional: Serial Interface, Copy Control Interface

Paper Capacity (LTR, 20 lb. Bond)
Standard: 1,180 Sheets
Maximum: 6,330 Sheets

Paper Sources (LTR, 20 lb. Bond)
Standard: Two 550-sheet Paper Cassettes, 80-sheet Stack Bypass
Optional: Two 550-sheet Paper Cassettes (Cassette Feeding Unit-AN1), 2,450-sheet Paper Deck (High Capacity Cassette Feeding Unit-B1), 2,700-sheet Paper Deck (Paper Deck Unit-F1)

Paper Output Capacity (LTR, 20 lb. Bond)
Standard: 250 Sheets
Maximum: 3,350 Sheets (with External Finishers)

Finishing Capabilities
Standard: Collate, Group
With Inner Finisher: Collate, Group, Offset, Staple, Hole Punch,[3] Staple-Free Staple, Staple On Demand
With External Finisher: Collate, Group, Offset, Staple, Booklet,[4] Staple-Free Staple, Staple On Demand, Hole Punch[5]

Supported Media Types
Paper Cassettes: Thin, Plain, Recycled, Colour, Heavy, Pre-punched
Stack Bypass: Thin, Plain, Recycled, Colour, Heavy, Pre-punched, Bond, Transparency, Label, Envelope

Supported Media Sizes
Paper Cassette (1): Legal, Letter, Letter-R, Executive, Statement-R, Custom Size (5-1/2" x 7-1/8" to 11-3/4" x 15-3/8")
Paper Cassette (2): 11" x 17", Legal, Letter, Letter-R, Executive, Statement-R, Custom Size (5-1/2" x 7-1/8" to 11-3/4" x 15-3/8")
Stack Bypass: 11" x 17", Legal, Letter, Letter-R, Executive, Statement-R, Envelope [No.10 (COM10), Monarch, DL, ISO-C5], Custom Size (3-7/8" x 5-7/8" to 11-3/4" x 17")

Supported Media Weights
Paper Cassettes: 16 lb. Bond to 34 lb. Bond (60 to 128 g/m²)
Stack Bypass: 14 lb. Bond to 80 lb. Cover (52 to 220 g/m²)
Duplexing: 16 lb. Bond to 28 lb. Cover (60 to 105 g/m²)

Warm-up Time
From Power On: 24 Seconds or Less
From Deep Sleep Mode: 10 Seconds or Less
Quick Startup Mode: 4 Seconds[6]

Dimensions (W x D x H)
23-1/8" x 29-1/8" x 47" (587 mm x 740 mm x 1,193 mm)[7]

Installation Space (W x D)
Basic [With ADF (Stack Bypass and Cassette Drawers Open)]: 35" x 46-1/2" (889 mm x 1,182 mm)
Fully Configured [With ADF+Paper Deck Unit-F1+ Booklet Finisher-Y1 (Cassette Drawers Open)]: 71-3/8" x 50-3/8" (1,811 mm x 1,280 mm)

Weight: Approx. 240.7 lb. (109.2 kg)[8]

Print Specifications

Print Speed
4551i: Up to 51 ppm (Letter); Up to 37 ppm (Letter-R); Up to 25 ppm (Legal); Up to 25 ppm (11" x 17")
4545i: Up to 45 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4535i: Up to 35 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4525i: Up to 25 ppm (Letter); Up to 17 ppm (Letter-R); Up to 13 ppm (Legal); Up to 15 ppm (11" x 17")

Standard Page Description Languages
UFR II, PCL®6, Adobe® PS® 3

Direct Print
Available from USB, Advanced Box, Remote UI, and Web Access (Opt.)[9]

Supported File Types for Direct Print
PDF, TIFF, JPEG, EPS, XPS

Fonts
PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J/K/S/T (Japanese, Korean, Simplified and Traditional Chinese),[10] Barcode Fonts[11]
PS fonts: 136 Roman

Operating System[12]
UFRII/PS: Windows Vista®/Server 2008/Windows® 7/Server 2008 R2/Windows 8/Server 2012/Windows 8.1/Server 2012 R2/ Windows 10, MAC OS X (10.6.8 or later)
PCL: Windows Vista/Server 2008/Windows 7/Server 2008 R2/Windows 8/Server 2012/Windows 8.1/Server 2012 R2/ Windows 10
PPD: MAC OS 9.1 or later, MAC OS X (10.3.9 or later), Windows Vista/Windows 7/ Windows 8/Windows 8.1/Windows 10

Copy Specifications

Copy Speed
4551i: Up to 51 ppm (Letter); Up to 37 ppm (Letter-R); Up to 25 ppm (Legal); Up to 25 ppm (11" x 17")
4545i: Up to 45 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4535i: Up to 35 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4525i: Up to 25 ppm (Letter); Up to 17 ppm (Letter-R); Up to 13 ppm (Legal); Up to 15 ppm (11" x 17")

First-Copy-Out Time (Letter)
4551i: As fast as 3.7 seconds
4545i/4535i: As fast as 3.8 seconds
4525i: As fast as 5.2 seconds

Copy Resolution
Reading: Up to 600 dpi x 600 dpi
Printing: 1200 dpi x 1200 dpi

Multiple Copies: Up to 999 copies

Magnification: 25%-400% (1% Increments)

Preset Reductions: 25%, 50%, 64%, 73%, 78%

Preset Enlargements: 121%, 129%, 200%, 400%

Basic Copy Features
Preset Reduction/Enlargement Ratios by Area, Paper Setting, Previous Settings, Favorite Settings, Finishing, Two-Sided, Density Adjustment, Original Type Selection, Interrupt Mode, Setting Confirmation/Cancel

Special Copy Features
Book to Two Pages, Two-sided Original, Finishing, Booklet, Job Build, N on 1, Add Cover, Insert Sheets, Different Size Originals, Density Adjustment, Original Type Selection, Transparency Cover Sheets, Page Numbering, Copy Set Numbering, Sharpness, Erase Frame, Secure Watermark, Print Date, Shift, Gutter, Print & Check, Negative/Positive, Repeat Images, Merge Job Blocks, Job Done Notice, Mirror Image, Store in Mail Box, Superimpose Image, Copy ID Card, Detect Feeder Multi Sheet Feed, Free Size Original

Scan Specifications

Type
4551i/4545i: Standard Single Pass Duplexing Automatic Document Feeder
4535i/4525i: Optional Single Pass Duplexing Automatic Document Feeder or Duplexing Automatic Document Feeder

Document Feeder Paper Capacity
Single Pass DADF-A1: 150 Sheets (20 lb. Bond)
DADF-AV1: 100 Sheets (20 lb. Bond)

Document Feeder Supported Media Sizes
11" x 17", Legal, Letter, Letter-R, Statement, Statement-R

Document Feeder Supported Media Weights
Single Pass DADF-A1
BW Original: 13 lb. Bond to 58 lb. Cover (50 to 157 g/m²)
CL Original: 17 lb. Bond to 58 lb. Cover (64 to 157 g/m²)
DADF-AV1
BW Original: 13 lb. Bond to 34 lb. Bond (50 to 128 g/m²)
CL Original: 17 lb. Bond to 34 lb. Bond (64 to 128 g/m²)

Platen Acceptable Originals
Sheet, Book, 3-Dimensional Objects [Up to 4.4 lb. (2 kg)]

Pull Scan
Color Network ScanGear2 for both Twain and WIA
Supported OS: Windows Vista/7/8/8.1/10 Windows Server 2008/Server 2008 R2/ Server 2012/Server 2012 R2

Scan Resolution
600 x 600 dpi, 400 x 400 dpi, 300 x 300 dpi, 200 x 400 dpi, 200 x 200 dpi, 200 x 100 dpi, 150 x 150 dpi, 100 x 100dpi

Scan Speed (Letter)
Single Pass DADF-A1
Single-sided Scanning (BW): 80 ipm (300 dpi)/80 ipm (600 dpi)
Single-sided Scanning (Colour): 80 ipm (300 dpi)/60 ipm (600 dpi)
Double-sided Scanning (BW): 160 ipm (300 dpi)/150 ipm (600 dpi)
Double-sided Scanning (Colour): 160 ipm (300 dpi)/80 ipm (600 dpi)
DADF-AV1
Single-sided Scanning (BW/Colour): 70 ipm (300 dpi)/51 ipm (600 dpi)
Double-sided Scanning (BW): 35 ipm (300 dpi)/25.5 ipm (600 dpi)
Double-sided Scanning (Colour): 35 ipm (300 dpi)/25.5 ipm (600 dpi)

Send Specifications

Destination
E-mail/Internet Fax (SMTP), SMB, FTP, WebDAV, Mail Box, Super G3 Fax (Optional), IP Fax (Optional)

Address Book
LDAP (2,000)/Local (1,600)/Speed dial (200)

Send Resolution
600 x 600 dpi, 400 x 400 dpi, 300 x 300 dpi, 200 x 400 dpi, 200 x 200 dpi, 200 x 100 dpi, 150 x 150 dpi, 100 x 100dpi

Communication Protocol
File: FTP, SMB v3.0, WebDAV
E-mail/I-Fax: SMTP, POP3, I-Fax (Simple, Full)

File Format

Standard: TIFF, JPEG, PDF(Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b), XPS (Compact, Searchable), Office Open XML (PowerPoint®, Word)

Optional: PDF (Trace & Smooth, Encrypted), PDF/XPS (Digital Signature)

Universal Send Features

Original Type Selection,Two-sided Original, Book to Two Pages, Different-size Originals, Density Adjustment, Sharpness, Copy Ratio, Erase Frame, Job Build, Delayed Send, Preview, Finished Stamp, Job Done Notice, File Name, Subject/Message, Reply-to, E-mail Priority, TX Report, Original Content Orientation, Skip Blank Originals, Detect Feeder Multi Sheet Feed

Fax Specifications

Maximum Number of Connection Lines: 4

Modem Speed

Super G3: 33.6 Kbps
G3: 14.4 Kbps

Compression Method: MH, MR, MMR, JBIG

Resolution

400 x 400 dpi, 200 x 400 dpi, 200 x 200 dpi, 200 x 100 dpi

Sending/Recording Size: Statement-R to 11" x 17"

Fax Memory: Up to 30,000 pages

Speed Dials: Max. 200

Group Dials/Destinations: Max. 199 dials

Sequential Broadcast: Max. 256 addresses

Memory Backup: Yes

Fax Features

Original Type Selection, Two-sided Original, Book to Two Pages, Different-size Originals, Density for Scanning, Sharpness, Copy Ratio, Erase Frame, Job Build, Specifying the Sender's Name (when sending fax), Sender's Name (TTI), Select Line, Selecting the Telephone Line (when sending fax), Direct Send, Delayed Send, Preview, Finished Stamp, Job Done Notice, TX Report, Detect Feeder Multi Sheet Feed

Store Specifications

Mail Box (Number Supported)

100 User In-boxes, 1 Memory RX In-box, 50 Confidential Fax In-boxes, 30,000 Maximum Pages Stored

Advanced Box

Communication Protocol: SMB or WebDAV Supported

Client PC: Windows (Windows Vista/7/8/8.1/10)

Concurrent Connections (Max.)

SMB: 64
WebDAV: 3 (Active Sessions)

Advanced Box Available Disk Space

Approx. 16 GB (Standard HDD)
Approx. 480 GB (Optional 1 TB HDD)

Advanced Box Features:

Disabling Advanced Box, Storage Filtering, Authentication for Advanced Box Log-in, Search Function, Sort Function, Printing a PDF File with a Password

Memory Media

Standard: USB

Security Specifications

Authentication

Standard: Universal Login Manager, User Authentication, Department ID Authentication, Access Management System, Device and Function Level Log-in

Optional: uniFLOW

Data

Standard: Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Mail Box Password Protection, Hard Disk Drive Encryption(FIPS140-2 Validated)

Optional: Hard Disk Drive Mirroring, Hard Disk Drive removal, IEEE 2600.2 Common Criteria Certification, Data Loss Prevention (Requires uniFLOW)

Network

Standard: IP/Mac Address Filtering, IPsec, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTP

Document

Standard: Secure Print, Forced Hold Printing, Adobe LiveCycle® Rights Management ES2.5 Integration

Optional: Encrypted PDF, Encrypted Secure Print, User and Device signatures, Secure Watermarks, Document Scan Locking

Environmental Specifications

Operating Environment

Temperature: 50 to 86°F
Humidity: 20 to 80% RH (no condensation)

Power Requirements

4551i:	120-127 V AC, 60 Hz, 10.4A
4545i/4535i:	120-127 V AC, 60 Hz, 9.3A
4525i:	120-127 V AC, 60 Hz, 7A

Plug (Main Unit)

NEMA 5-15P

Power Consumption

Maximum: Approx. 1.5 kWh
Standby: Approx. 38 W
Sleep Mode: Approx. 0.9 W[13]

Typical Electricity Consumption (TEC) Rating:

4551i: 2.5 kWh	4545i: 2.2 kWh
4535i: 1.8 kWh	4525i: 1.0 kWh

Standards

ENERGY STAR® Certified

Consumables

Toner: GPR-57 Toner BK

Toner Yield (Estimated @ 6% Coverage)

Black: 42,100 Images

Footnotes

[1] Subscription to a third-party cloud service required. Subject to third-party cloud service providers' terms and conditions.

[2] Canon products offer certain security features, yet many variables can impact the security of your devices and data. Canon does not warrant that use of its features will prevent security issues. Nothing herein should be construed as legal or regulatory advice concerning applicable laws; customers must have their own qualified counsel determine the feasibility of a solution as it relates to regulatory and statutory compliance.

[3] Requires the optional Inner 2/3 Hole Puncher-C1.

[4] Booklet Finisher-Y1 only.

[5] Requires the optional 2/3 Hole Puncher Unit-A1.

[6] Time from device power-on to when copy jobs can be programmed.

[7] Includes Main Unit, Single Pass DADF-A1, and Cassette Feeding Unit-AN1.

[8] Includes Main Unit, Single Pass DADF-A1, Cassette Feeding Unit-AN1, and consumables.

[9] PDF print from Web sites is supported.

[10] Requires the optional PCL International Font Set-A1.

[11] Requires the optional Barcode Printer Kit-D1.

[12] Other operating systems and environments including AS/400, UNIX, Linux and Citrix may be supported. Some of these solutions are chargeable. SAP Device Types are available via the SAP Market Place. For more information, contact your sales representative.

[13] 0.9 W Sleep mode is not available in all circumstances due to certain settings.

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CANON GENUINE
TONER, CARTRIDGE & PARTS

ENERGY STAR

AirPrint