Canon
CANON SOLUTIONS AMERICA

imageRUNNER ADVANCE
4551i/4545i
4535i/4525i II

imageRUNNER ADVANCE 4500 II Series

Black-and-White | Mid-Volume | Multifunction

- Print up to 51 ppm (BW)
- Scan up to 160 ipm (300 dpi) (BW, color, duplex)
- Print up to 11" x 17"
- 6,335-sheet maximum paper capacity

Canon's comprehensive portfolio of imageRUNNER ADVANCE multifunction printers and integrated solutions can help **simplify** the end user experience and management of technology; better **control** sensitive information and print-related costs; and help ensure that technology investments proactively **evolve** with changing needs.

WORKFLOW EFFICIENCY

- 10.1" intuitive touchscreen with smartphone-like usability.
- A unique, customized experience tailored to individual preferences with My ADVANCE.
- Supports mobile solutions and integration with many popular cloud services like Google Drive and Box.[1]
- Scan and convert documents to searchable digital files in a variety of file formats.
- Integration with Canon and various third-party software with embedded application platform.

SECURITY

- Advanced standard security feature set to help safeguard sensitive information and assist in regulatory compliance.
- Security policy settings can be controlled with a dedicated password, configured from a central location, and exported to other supported devices.
- Control who has access to the device, and to which features, using a host of flexible authentication methods – picture login, PIN code, user name/password, or card access.[2]

COST MANAGEMENT

- Track and assess print, copy, scan, and fax usage and allocate costs to departments or projects.
- Apply print policies and restrict usage by user to help reduce unnecessary printing and contribute to cost efficiency.
- Standard cloud-based solution provides a centralized dashboard with up-to-the-minute insights into printer activity.[3]
- Upgrade to uniFLOW server or cloud-based solutions for full accounting and reporting for compatible Canon and third-party devices, pull printing, job routing, and powerful scan workflows.

CANON SEE IMPOSSIBLE

DEVICE AND FLEET MANAGEMENT

- Designed for quick, easy deployment.
- Remote diagnostics and parts life management for proactive maintenance and rapid fixes.
- Easy and intuitive to monitor device status and consumable levels, turn off devices remotely, observe meter readings, manage settings, and implement security policies.
- Common firmware and regular updates with Unified Firmware Platform (UFP) for continuous improvements and consistency across a fleet.

QUALITY AND RELIABILITY

- Canon's signature reliability and engine technologies help keep productivity high and minimize the impact on support resources.
- Outstanding imaging technologies and toner allow for crisp text and consistent images in rich black-and-white tones.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished and intuitive maintenance videos for consumables replacement.

SUSTAINABILITY

- A combination of fusing technologies and low-melting-point toner minimizes power requirements and helps achieve low energy consumption.
- Encourage environmentally-conscious work practices by enabling multiple settings that can help save paper and energy.
- ENERGY STAR® certified and rated EPEAT® Gold.[4]

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)

SINGLE PASS DADF-A1

- 150-sheet capacity
- Scan speed up to 160 ipm (BW/Color)

DADF-AV1

- 100-sheet capacity
- Scan speed up to 35 ipm (BW/Color)

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

UTILITY TRAY-B1

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)

BUFFER PASS UNIT-N1

PAPER DECK UNIT-F1

- 2,700-sheet capacity
- Supports LTR
- 14 lb. Bond to 140 lb. Index

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)
- Platen Cover Type-W

SPECIFICATIONS

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 Color 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: 1,185 Sheets
Maximum: 6,335 Sheets

Paper Sources (LTR, 20 lb. Bond)
Standard: Two 550-sheet Paper Cassettes, 85-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,[5] Staple-Free Staple, Staple On Demand
With External Finisher: Collate, Group, Offset, Staple, Booklet,[6] Staple-Free Staple, Staple On Demand, Hole Punch[7]

Supported Media Types
Paper Cassettes: Thin, Plain, Recycled, Color, Heavy, Pre-punched
Stack Bypass: Thin, Plain, Recycled, Color, 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 17")
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/m^2)
Stack Bypass: 14 lb. Bond to 80 lb. Cover (52 to 220 g/m^2)
Duplexing: 16 lb. Bond to 28 lb. Bond (60 to 105 g/m^2)

Warm-up Time
From Power On: 24 Seconds or Less
From Deep Sleep Mode: 10 Seconds or Less
Quick Startup Mode: 4 Seconds[8]

Dimensions (W x D x H)
23-1/8" x 29-1/8" x 47" (587 mm x 740 mm x 1193 mm)[9]

Installation Space (W x D)
Basic [With ADF (Stack Bypass and Cassette Drawers Open)]: 35" x 46-1/2" (889 mm x 1182 mm)
Fully Configured [With ADF+Paper Deck Unit-F1+ Booklet Finisher-Y1 (Cassette Drawers Open)]: 71-3/8" x 50-3/8" (1811 mm x 1280 mm)

Weight: Approx. 240.7 lb. (109.2 kg)[10]

Print Specifications

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

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),[12] Barcode Fonts[13]
PS fonts: 136 Roman

Operating System[14]
UFRII/PS: Windows Vista®/Server 2008/Windows® 7/Server 2008 R2/Server 2012/Windows 8.1/Server 2012 R2/Windows 10/Server 2016, MAC OS X (10.7 or later)
PCL: Windows Vista/Server 2008/Windows 7/Server 2008 R2/Server 2012/Windows 8.1/Server 2012 R2/Windows 10/Server 2016
PPD: MAC OS X (10.3.9 or later), Windows Vista/Windows 7/Windows 8/Windows 8.1/Windows 10

Copy Specifications

Copy Speed
4551i II: Up to 51 ppm (Letter); Up to 37 ppm (Letter-R); Up to 25 ppm (Legal); Up to 25 ppm (11" x 17")
4545i II: Up to 45 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4535i II: Up to 35 ppm (Letter); Up to 32 ppm (Letter-R); Up to 25 ppm (Legal); Up to 22 ppm (11" x 17")
4525i II: 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 II: As fast as 3.7 seconds
4545i II/4535i II: As fast as 3.8 seconds
4525i II: As fast as 5.2 seconds

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

Multiple Copies: Up to 999

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 II/4545i II: Standard Single Pass Duplexing Automatic Document Feeder
4535i II/4525i II: 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/m^2)
Color Original: 17 lb. Bond to 58 lb. Cover (64 to 157 g/m^2)
DADF-AV1
BW Original: 13 lb. Bond to 34 lb. Bond (50 to 128 g/m^2)
Color Original: 17 lb. Bond to 34 lb. Bond (64 to 128 g/m^2)

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/7/8/10
Windows Server 2008/Server 2008 R2/Server 2012/Server 2012 R2/Server 2016

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

Scan Speed (Letter)
Single Pass DADF-A1
Single-sided Scanning
BW: 80 ipm (300 dpi)/80 ipm (600 dpi)
Color: 80 ipm (300 dpi)/60 ipm (600 dpi)
Double-sided Scanning
BW: 160 ipm (300 dpi)/150 ipm (600 dpi)
Color: 160 ipm (300 dpi)/80 ipm (600 dpi)
DADF-AV1
Single-sided Scanning
BW/Color: 70 ipm (300 dpi)/51 ipm (600 dpi)
Double-sided Scanning
BW: 35 ipm (300 dpi)/25.5 ipm (600 dpi)
Color: 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 (dpi)
600 x 600, 400 x 400, 300 x 300, 200 x 400, 200 x 200, 200 x 100, 150 x 150, 100 x 100

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

File Format
Standard: TIFF, JPEG, PDF (Encrypted, Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b), XPS (Compact, Searchable), Office Open XML (PowerPoint®, Word), Digital Signature (PDF/XPS)
Optional: PDF (Trace & Smooth)

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 (dpi)
400 x 400, 200 x 400, 200 x 200, 200 x 100

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, imageWARE Secure Audit Manager Support

Memory Media
Standard: USB

Security Specifications

Authentication
Standard: Cloud Authentication,[15,16] 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: Encrypted Secure Print, IP/Mac Address Filtering, IPsec, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTP

Document
Standard: Secure Watermark, Secure Print, Forced Hold Printing, Adobe LiveCycle® Rights Management ES2.5 Integration, Encrypted PDF, Encrypted Secure Print, Device Signature
Optional: User Signatures, Document Scan Locking

Environmental Specifications

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

Power Requirements
4551i II: 120-127 V AC, 60 Hz, 10.4A
4545i II/4535i II: 120-127 V AC, 60 Hz, 9.3A
4525i II: 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[17]
Typical Electricity Consumption (TEC) Rating:
4551i II: 2.5 kWh
4545i II: 2.2 kWh
4535i II: 1.8 kWh
4525i II: 1.0 kWh

Standards
ENERGY STAR® Certified, Rated EPEAT® Gold[4], RoHS Compliant

Consumables

Toner: GPR-57 Toner BK

Toner Yield (Estimated @ 6% Coverage)
Black: 42,100 Images

1. Subscription to a third-party cloud service required. Subject to third-party cloud service providers' terms and conditions.
2. Requires additional option.
3. Available 2Q 2018.
4. For current EPEAT rating (Gold/Silver/Bronze), please visit **www.epeat.net**.
5. Requires the optional Inner 2/3 Hole Puncher-C1.
6. Booklet Finisher-Y1 only.
7. Requires the optional 2/3 Hole Puncher Unit-A1.
8. Time from device power-on to when copy jobs can be programmed.
9. Includes Main Unit, Single Pass DADF-A1, and Cassette Feeding Unit-AN1.
10. Includes Main Unit, Single Pass DADF-A1, Cassette Feeding Unit-AN1, and consumables.
11. PDF print from Web sites is supported.
12. Requires the optional PCL International Font Set-A1.
13. Requires the optional Barcode Printer Kit-D1.
14. 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.
15. No charge for this solution; however activation is required.
16. Check for availability.
17. 0.9 W Sleep mode is not available in all circumstances due to certain settings.

For detailed specifications and a comprehensive list of optional accessories, see the imageRUNNER ADVANCE 4500i II Series Specifications document.

For more information, call or visit
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