# imageRUNNER ADVANCE 4500 III 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"

6,350-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 using 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.

- Integrates with existing, third-party Security Information and Event Management (SIEM) systems to help provide real-time comprehensive insights into potential threats to the network and printers.

- Technology to verify that the device boot process, firmware, and applications initialize without alteration at startup. McAfee Embedded Control[19] utilizes a whitelist to protect against malware and tampering of firmware and applications.

- Security policy settings can be controlled with a dedicated password, configured from a central location, and exported to other supported devices.

- Control access to the device and specific features, using a host of flexible authentication methods—PIN code, user name/password, or card access.[2]

## 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.

## 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.
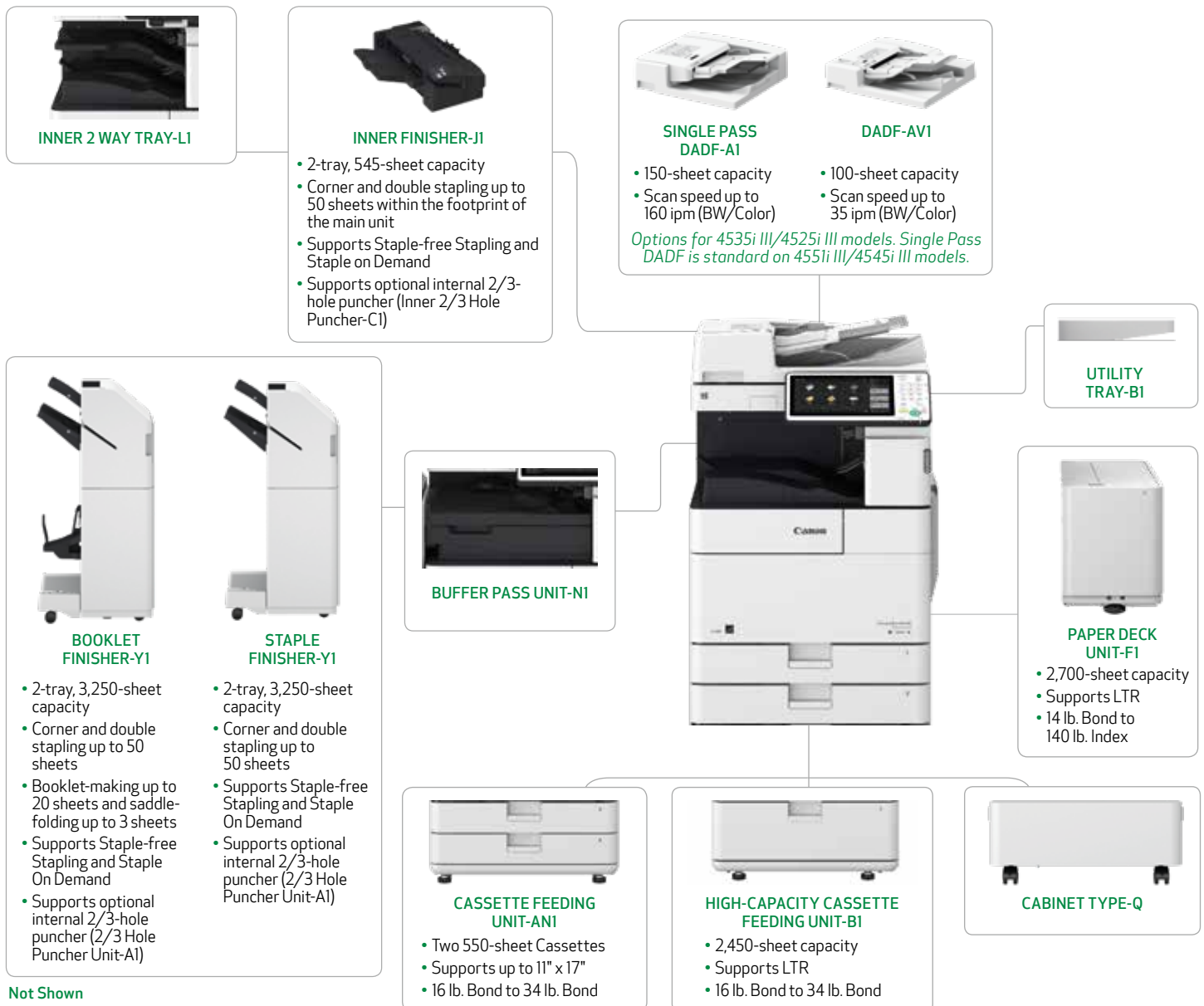
## COST MANAGEMENT

- 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.
- 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.

## 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.[3]

## CONFIGURATION OPTIONS

**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 III/4525i III models. Single Pass DADF is standard on 4551i III/4545i III 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

## 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 Low Energy
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:     1,200 Sheets
Maximum:     6,350 Sheets

**Paper Sources (LTR, 20 lb. Bond)**
Standard:     Two 550-sheet Paper Cassettes,
                 100-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     Collate, Group, Offset, Staple,
Finisher:     Hole Punch,[4] Staple-Free Staple,
                 Staple On Demand
With External     Collate, Group, Offset, Staple, Booklet,[5]
Finisher:     Staple-Free Staple, Staple On Demand,
                 Hole Punch[6]

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

**Supported Media Sizes**
Paper     Legal, Letter, Letter-R, Executive,
Cassette (1):     Statement-R, Custom Size
                 (5-1/2" x 7-1/8" to 11-3/4" x 15-3/8")
Paper     11" x 17", Legal, Letter, Letter-R, Executive,
Cassette (2):     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/m²)
Stack Bypass:     14 lb. Bond to 80 lb. Cover (52 to 220 g/m²)
Duplexing:     16 lb. Bond to 28 lb. Bond (60 to 105 g/m²)

**Warm-up Time**
From Power On:  Approx. 24 Seconds[7]
From Sleep
Mode:     Approx. 10 Seconds[8]
Quick Startup
Mode:     Approx. 4 Seconds[9]

**Dimensions (W x D x H)**
23-1/8" x 29-1/8" x 47" (587 mm x 740 mm x 1,193 mm)[10]

**Installation Space (W x D)**
Basic [With DADF (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. 240.3 lb. (109 kg)[11]

## Print Specifications

**Print Speed**
4551i III:     Up to 51 ppm (Letter); Up to 37 ppm
               (Letter-R); Up to 25 ppm (Legal);
               Up to 25 ppm (11" x 17")
4545i III:     Up to 45 ppm (Letter); Up to 32 ppm
               (Letter-R); Up to 25 ppm (Legal);
               Up to 22 ppm (11" x 17")
4535i III:     Up to 35 ppm (Letter); Up to 32 ppm
               (Letter-R); Up to 25 ppm (Legal);
               Up to 22 ppm (11" x 17")
4525i III:     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[12]

**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),[13]
               Barcode Fonts[14]
PS fonts:     136 Roman

**Operating System[15]**
UFRII:     Windows Server 2008/Windows® 7/Server
               2008 R2/Server 2012/Windows 8.1/Server
               2012 R2/Windows 10/Server 2016, MAC OS
               X (10.9 or later)
PCL:     Windows Server 2008/Windows 7/Server
               2008 R2/Server 2012/Server 2012 R2/
               Windows 10/Server 2016
PS:     Windows Server 2008/Windows 7/Server
               2008 R2/Server 2012/Windows 8.1/Server
               2012 R2/Windows 10/Server 2016, MAC OS
               X (10.9 or later)
PPD:     MAC OS X (10.3.9 or later), Windows 7/
               Windows 8/Windows 8.1/Windows 10

## Copy Specifications

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

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

**Multiple Copies**
Up to 9,999 Copies

**Copy Exposure**
Automatic or Manual (9 Levels)

**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, Cascade Copy, Copy ID Card, Detect Feeder Multi Sheet Feed, Free Size Original

## Scan Specifications

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

**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 [Height: Up to 2" (50mm); Up to 4.4 lb. (2 kg)]

**Platen Supported Media Size**
Max. scanning size: 11-3/4" x 17" (297 mm x 431.8 mm)

**Pull Scan**
Color Network ScanGear2 for both Twain and WIA
Supported OS:  Windows 7/8.1/10
                 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)
  Double-sided Scanning
  BW: 160 ipm (300 dpi)/150 ipm (600 dpi)
  Color: 160 ipm (300 dpi)
DADF-AV1
  Single-sided Scanning
  BW: 70 ipm (300 dpi)/51 ipm (600 dpi)
  Color: 70 ipm (300 dpi)
  Double-sided Scanning
  BW: 35 ipm (300 dpi)/25.5 ipm (600 dpi)
  Color: 35 ipm (300 dpi)

## Send Specifications

**Destination**
Email/Internet Fax (SMTP), SMB v3.0, 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 (TCP/IP), SMB v3.0, WebDAV
Email: SMTP, POP3

## File Format
Standard: TIFF, JPEG, PDF Device Signature (Encrypted, Compact, Searchable, Apply Policy, Optimize for Web, PDF A/1-b, Device Signature), XPS (Device Signature, Compact, Searchable), Office Open XML (PowerPoint®, Word)
Optional: PDF (User Signature, Trace & Smooth), XPS (User 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, Job Done Notice, File Name, Subject/Message, Reply-to, Email Priority, TX Report, Original Content Orientation, Skip Blank Originals, Detect Feeder Multi Sheet Feed

# Fax Specifications
(Optional)

## Maximum Number of Connection Lines
1

## 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, Sender's Name (TTI), Select Line, Selecting the Telephone Line, Direct Send, Delayed Send, Preview, 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 7/8.1/10)
Concurrent Connections (Max.)
 SMB: 64
 WebDAV: 3 (Active Sessions)

## Advanced Box Available Disk Space
Approx. 16 GB (Standard HDD)
Approx. 480 GB (With Optional 1 TB HDD)

## Advanced Box Features
Authentication for Advanced Box Log-in, Sort Function, Printing a PDF File with a Password, imageWARE Secure Audit Manager Support

## Memory Media
Standard: USB

# Security Specifications

## Authentication
Standard: Universal Login Manager, uniFLOW Online Express,[16] 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), Verify System at Startup McAfee Embedded Control[19]
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, S/MIME, SIEM Integration

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

# Environmental Specifications

## Operating Environment
Temperature: 50 to 86ºF
Humidity: 20 to 80% RH (Relative Humidity)

## Power Requirements
| | |
|---|---|
| | 120-127 V AC, 60 Hz, 10.4 A |
| 4551i III: | 220-240V, 50/60 Hz 5.6A |
| | 120-127 V AC, 60 Hz, 9.3 A |
| 4545i III/4535i III: | 220-240V, 50/60 Hz 5.2A |
| 4525i III: | 120-127 V AC, 60 Hz, 7 A |
| | 220-240V, 50/60 Hz 4.3A |

## Plug (Main Unit)
NEMA 5-15P (120V)
CEE7/7 (230V)

## Power Consumption
Maximum: Approx. 1,500 W
Standby: Approx. 38 W (120V)/Approx. 37 W (230V) [17]
Sleep Mode: Approx. 0.9 W[18]
Typical Electricity Consumption (TEC) Rating:
 4551i III: 2.5 kWh(120V), 2.6 kWh(230V)
 4545i III: 2.2 kWh(120V), 2.3 kWh(230V)
 4535i III: 1.8 kWh(120V), 1.8 kWh(230V)
 4525i III: 1.0 kWh(120V), 1.1 kWh(230V)

## Standards
ENERGY STAR® Certified
Rated EPEAT® Gold[3]

# Consumables

## Toner
GPR-57 Toner BK

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

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[1] Subscription to a third-party cloud service required. Subject to third-party cloud service provider's terms and conditions.
[2] Requires additional option.
[3] For current EPEAT rating (Gold/Silver/Bronze), please visit **www.cla.canon.com/en/epeat**.
[4] Requires the optional Inner 2/3 Hole Puncher-C1.
[5] Booklet Finisher-Y1 only.
[6] Requires the optional 2/3 Hole Puncher Unit-A1.
[7] Time from device power-on, until copy ready (not print reservation).
[8] Time from exiting Sleep Mode to when printings is operational.
[9] Time from device power-on to when key orientations can be performed on the touch panel display.
[10] Includes Main Unit, Single Pass DADF-A1, and Cassette Feeding Unit-AN1.
[11] Includes Main Unit, Single Pass DADF-A1, Cassette Feeding Unit-AN1, and consumables.
[12] PDF print from Web sites is supported.
[13] Requires the optional PCL International Font Set-A1.
[14] Requires the optional Barcode Printer Kit-D1.
[15] 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.
[16] No charge for this solution; however activation is required.
[17] Reference Value (measured one unit).
[18] 0.9 W sleep mode not available in all circumstances due to certain settings.
[19] Requires Unified Firmware Platform v3.9.

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

www.cla.canon.com/iRADV_solucionesavanzadas

# Canon

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McAfee PROTECTED

CANON GENUINE TONER, CARTRIDGE & PARTS

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