

## 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"

6,330-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.<sup>1</sup>
- 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.<sup>2</sup>



### 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.<sup>3</sup>
- Upgrade to uniFLOW server or cloud-based solutions for full accounting and reporting for compatible Canon and third-party devices, follow-me printing, job routing, and powerful scan workflows.



## 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.



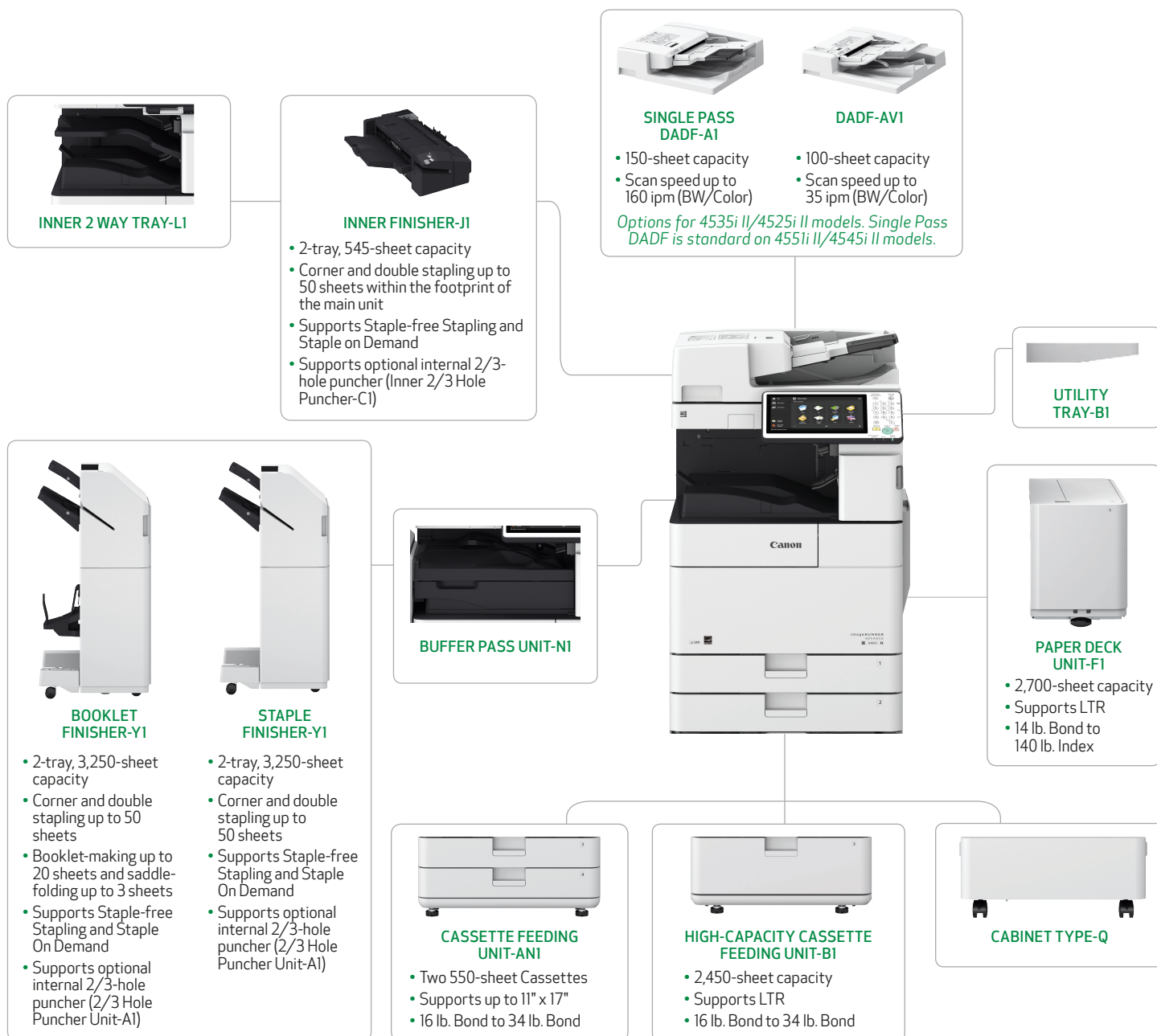
## QUALITY AND RELIABILITY

- 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.<sup>4</sup>



### Not Shown

- Inner 2/3-Hole Puncher-C1 (for Inner Finisher-JI)
- 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 Collate, Group, Offset, Staple,  
Finisher: Hole Punch,<sup>5</sup> Staple-Free Staple,  
Staple On Demand

With External Collate, Group, Offset, Staple, Booklet,<sup>6</sup>  
Finisher: Staple-Free Staple, Staple On Demand,  
Hole Punch<sup>7</sup>

### 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 Cassette Legal, Letter, Letter-R, Executive,  
(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/m<sup>2</sup>)

Stack Bypass: 14 lb. Bond to 80 lb. Cover (52 to 220 g/m<sup>2</sup>)

Duplexing: 16 lb. Bond to 28 lb. Bond (60 to 105 g/m<sup>2</sup>)

### Warm-up Time

From Power On: 24 Seconds or Less

From Deep

Sleep Mode: 10 Seconds or Less

Quick Startup

Mode: 4 Seconds<sup>8</sup>

### Dimensions (W x D x H)

23-1/8" x 29-1/8" x 47" (587 mm x 740 mm x 1193 mm)<sup>9</sup>

### 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)<sup>10</sup>

## Print Specifications

### Print Speed

455Ii 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<sup>®</sup> 6, Adobe<sup>®</sup> PS<sup>®</sup> 3

### Direct Print

Available from USB, Advanced Box, Remote UI,  
and Web Access (Opt.)<sup>11</sup>

### 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),<sup>12</sup>  
Barcode Fonts<sup>13</sup>

PS fonts: 136 Roman

### Operating System<sup>14</sup>

UFR II/PS: Windows Vista<sup>®</sup>/Server 2008/Windows<sup>®</sup> 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

455Ii 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)

455Ii 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

455Ii 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<sup>2</sup>)

Color Original: 17 lb. Bond to 58 lb. Cover (64 to 157 g/m<sup>2</sup>)

DADF-AV1

BW Original: 13 lb. Bond to 34 lb. Bond (50 to 128 g/m<sup>2</sup>)

Color Original: 17 lb. Bond to 34 lb. Bond (64 to 128 g/m<sup>2</sup>)

### 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<sup>®</sup>, 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,<sup>1,5,16</sup> Universal Login Manager, User Authentication, Department ID Authentication, Access Management System, Device and Function Level Log-in uniFLOW

Optional:

#### 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<sup>17</sup>

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<sup>4</sup>, RoHS Compliant

### Consumables

**Toner:** GPR-57 Toner BK

**Toner Yield (Estimated @ 6% Coverage)**

Black: 42,100 Images

<sup>1</sup> Subscription to a third-party cloud service required. Subject to third-party cloud service providers' terms and conditions.

<sup>2</sup> Requires additional option.

<sup>3</sup> Available 2Q 2018.

<sup>4</sup> For current EPEAT rating (Gold/Silver/Bronze), please visit [www.epeat.net](http://www.epeat.net).

<sup>5</sup> Requires the optional Inner 2/3 Hole Puncher-C1.

<sup>6</sup> Booklet Finisher-Y1 only.

<sup>7</sup> Requires the optional 2/3 Hole Puncher Unit-A1.

<sup>8</sup> Time from device power-on to when copy jobs can be programmed.

<sup>9</sup> Includes Main Unit, Single Pass DADF-A1, and Cassette Feeding Unit-AN1.

<sup>10</sup> Includes Main Unit, Single Pass DADF-A1, Cassette Feeding Unit-AN1, and consumables.

<sup>11</sup> PDF print from Web sites is supported.

<sup>12</sup> Requires the optional PCL International Font Set-A1.

<sup>13</sup> Requires the optional Barcode Printer Kit-D1.

<sup>14</sup> 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.

<sup>15</sup> No charge for this solution; however activation is required.

<sup>16</sup> Check for availability.

<sup>17</sup> 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.



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UFP UNIFIED FIRMWARE PLATFORM



CANON GENUINE TONER, CARTRIDGE & PARTS

