

Specifications for imageRUNNER ADVANCE 4500

Type	Monochrome Laser Multifunctional	
Core Function	Print, Copy, Scan, Send, Store and Optional Fax	
Processor	Canon Dual Custom Processor (Shared)	
Control Panel	Standard: 10.1 inch TFT LCD WSVGA Colour Touch Panel	
Memory	Standard: 3.0GB RAM	
Hard Disk Drive	Standard:	250GB
	Maximum:	1TB
Mirroring Hard Disk Drive	Optional 250GB, 1TB	
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 (A4, 80gsm)	Standard:	1,180 Sheets
	Maximum:	6,330 Sheets
Paper Sources (A4, 80gsm)	Standard:	Two 550-sheet Paper Cassettes 80-sheet Multi-purpose tray
	Optional:	CASSETTE FEEDING UNIT-AN1: Two 550-sheet Paper Cassettes HIGH CAPACITY CASSETTE FEEDING UNIT-B1: 2,450-sheet Paper deck PAPER DECK UNIT-F1: 2,700-sheet Paper deck
	Maximum:	6,330 Sheets
Paper Output Capacity (A4,80gsm)	Standard:	250 sheets
	Maximum:	3,350 sheets (With STAPLE FINISHER-Y1 / BOOKLET FINISHER-Y1)
Finishing Capabilities	Standard: Collate, Group	
	With Inner Finisher Option: Offset, Collate, Group, Staple, *Hole Punch, ECO-Staple, Staple-On Demand	
	With External Finisher Option: Offset, Collate, Group, Staple, *Hole Punch, **Saddle Stitch, , ECO-Staple, Staple-On Demand	
	*Require Inner Hole Puncher option **Require BOOKLET FINISHER-Y1	

Supported Media Types	Cassettes (1 / 2):	Thin paper, Plain paper, Thick paper, Colour paper, Recycled paper, Pre-punched paper
	Multi Purpose Tray	Thin paper, Plain paper, Thick paper, Colour paper, Recycled paper, Pre-punched paper, *Transparency, Tracing paper, Label, Bond paper, Envelope
	Cassette Feeding Unit-AN1:	Thin paper, Plain paper, Thick paper, Colour paper, Recycled paper, Pre-punched paper
	High Capacity Cassette Feeding Unit-B1:	Thin paper, Plain paper, Thick paper, Colour paper, Recycled paper, Pre-punched paper
	Paper Deck Unit-F1:	Thin paper, Plain paper, Thick paper, Colour paper, Recycled paper, Pre-punched paper
	*Use only A4 transparencies made especially for multi-functional device	
Supported Media Sizes	Cassette 1:	Standard size: B4, A4, A4R, B5, B5R, A5R
		Custom Size: Min. 139.7 x 182mm up to 297 x 390mm
	Cassette 2:	Standard size: A3, B4, A4, A4R, B5, B5R, A5R, Foolscap, India Legal, F4A
		Custom size: Min. 139.7 x 182mm up to 297 x 431.8mm
	CASSETTE FEEDING UNIT-AN1 (3/4):	Standard size: A3, B4, A4, A4R, B5, B5R, A5R, Foolscap, India Legal, F4A
		Custom size: Min. 139.7 x 182mm up to 297 x 431.8mm
	High Capacity Cassette Feeding Unit-B1:	A4
Paper Deck Unit-F1:	A4, B5	
Multi-Purpose Tray:	Standard size: A3, B4, A4, A4R, B5, B5R, A5, A5R, Foolscap, India Legal, F4A	
	Custom Size: Min. 98 x 148mm up to 297 x 431.8mm	
Supported Media Weights	CASSETTES:	60 to 128g/m ²
	MULTI-PURPOSE TRAY:	52 to 220g/m ²
	DUPLEX:	60 to 105g/m ²

Warm-up Time	From Power On*:	24 seconds or Less *Time between device power-on and when the start key is enabled (Force Hold Print)
	From Deep Sleep Mode:	10 seconds or Less
	Quick Startup Mode:	4 seconds or less** ** If is set to "On", it takes 4 seconds until the key operation on the touch panel display is available after turning on the main power of the machine. Depending on the situations, the machine does not startup quickly.
Dimensions (W x D x H)	With SINGLE PASS DADF-A1:	587 x 740 x 945mm
	With DADF-AV1:	587 x 750 x 926mm
Installation Space (W x D)	Basic:	889 x 1171.9mm (with SINGLE PASS DADF-A1 + Multi-purpose tray open + Cassette Drawers open) 889 x 1181.9mm (with DADF-AV1 + Multi-purpose tray open + Cassette Drawers open)
	Fully Configured:	1,811 x 1,269.9mm (with SINGLE PASS DADF-A1 + PAPER DECK UNIT-F1 + BOOKLET FINISHER-Y1 + Cassette Drawers open) 1,811 mm x 1,279.9 mm (with DADF-AV1 + PAPER DECK UNIT-F1 + BOOKLET FINISHER-Y1 + Cassette Drawers open)
Weight (Including the toner bottle)	Approx. 86.6kg (with SINGLE PASS DADF-A1)	
	Approx. 81.3kg (with DADF-AV1)	
Print Specification		
Printing Method	Monochrome laser beam printing	
Print Speed	iR-ADV 4551	51ppm (A4) 25ppm (A3)
	iR-ADV 4545	45ppm (A4) 22ppm (A3)
	iR-ADV 4535	35ppm (A4) 22ppm (A3)
	iR-ADV 4525	25ppm (A4) 15ppm (A3)
Print Resolution	Up to 1,200 x 1,200 dpi	
Page Description Languages	UFR II (Standard), PCL6 (Option), Adobe PS 3 (Option)	
Double Sided Printing	Automatic (Standard)	
Direct Print	Direct printing available from USB memory key, Advanced box, Remote UI and Web Access*	

	Supported File Types: PDF, TIFF, JPEG, XPS	
	*Only PDF print from websites is supported.	
Fonts	PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J / K / S / T* (Japanese, Korean, Simplified and Traditional Chinese), Barcode fonts** PS fonts: 136 Roman	
	*Requires optional PCL INTERNATIONAL FONT SET-A1 **Require optional BARCODE PRINTING KIT-D1	
Operating System	UFR II:	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
	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)
	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 Specification		
Copy Speed (BW / Colour)	iR-ADV 4551	51ppm (A4) 25ppm (A3)
	iR-ADV 4545	45ppm (A4) 22ppm (A3)
	iR-ADV 4535	35ppm (A4) 22ppm (A3)
	iR-ADV 4525	25ppm (A4) 15ppm (A3)
First-Copy-Out Time* (A4) * 20°C to 30°C Environment	iR-ADV 4551:	Approx. 3.7 seconds or less
	iR-ADV 4545 / 4535:	Approx. 3.8 seconds or less
	iR-ADV 4525:	Approx. 5.2 seconds or less
Copy Resolution	Reading:	600 x 600dpi
	Printing:	Up to 1,200 x 1,200dpi
Multiple Copies	Up to 999 copies	
Copy Exposure	Automatic or Manual (10 Levels)	
Magnification	25% - 400% (1% Increments)	
Preset Reductions	25%, 50%, 70%, 81%, 86%	

Preset Enlargements	115%, 122%, 141%, 200%, 400%	
Scan Specification		
Type	Single-pass Duplexing Automatic Document Feeder or Duplexing Automatic Document Feeder	
Document Feeder Paper Capacity	SINGLE PASS (SP) DADF-A1:	150 Sheets (80g/m ²)
	DADF-AV1:	100 Sheets (80g/m ²)
Document Feeder Supported Media Sizes	SP DADF-A1:	A3, B4, A4, A4R, B5, B5R, A5, A5R, B6R
	DADF-AV1:	A3, B4, A4, A4R, B5, B5R, A5, A5R, B6
Document Feeder Supported Media Weights	SP DADF-A1:	
	Single-sided scanning:	38 to 157g/m ² (BW)
		64 to 157g/m ² (CL)
	Double-sided scanning	50 to 157g/m ² (BW)
		64 to 157g/m ² (CL)
	DADF-AV1:	
	Single-sided scanning:	38 to 128g/m ² (BW)
		64 to 128g/m ² (CL)
Double-sided scanning	50 to 128g/m ² (BW)	
	64 to 128g/m ² (CL)	
Pull Scan Spec	Colour Network ScanGear2. For both Twain and WIA Supported OS: Windows Vista / 7 / 8 / 8.1 / 10 / Server 2008 / Server 2008 R2 / Server 2012 / Server 2012 R2	
Scan Resolution	100 x 100dpi, 150 x 150dpi, 200 x 100dpi, 200 x 200dpi, 200 x 400dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi	
Platen Acceptable Originals	Platen: Sheet, Book, 3-Dimensional Objects [Up to 2kg] Feeder size: A3, B4, A4, A4R, B5, B5R, A5, A5R	
Scan Speed (A4)	SP DADF-A1:	
	1-sided Scanning (BW):	80ipm (300dpi) / 80 ipm (600dpi)
	1-sided Scanning (Colour):	80ipm (300dpi) / 60ipm (600dpi)
	2-sided Scanning (BW):	160ipm (300dpi) / 150ipm (600dpi)
	2-sided Scanning (Colour):	160ipm (300dpi) / 80ipm (600dpi)
	DADF-AV1:	
	1-sided Scanning (BW):	70ipm (300dpi) / 51ipm (600 dpi)
1-sided Scanning	70ipm (300dpi) / 51ipm (600	

	(Colour):	dpi)
	2-sided Scanning (BW):	35ipm (300dpi) / 25.5ipm (600dpi)
	2-sided Scanning (Colour):	35ipm (300dpi) / 25.5ipm (600dpi)
Double sided scanning	2-sided to 2-sided (Automatic)	
Send Specification		
Optional / standard	Standard on all models	
Destination	E-mail / Internet FAX (SMTP), SMB, FTP, WebDAV, Mail Box, Super G3 FAX (Optional), IP Fax (Optional)	
Colour Mode	Automatic-Colour Select (Full Colour / Grayscale), Automatic-Colour Select (Full Colour / Black-and-White), Full colour, Grayscale, and Black-and-White	
Address Book	LDAP (2,000) / Local (1,600) / One-touch (200)	
Send Resolution	100 x 100dpi, 150 x 150dpi, 200 x 100dpi, 200 x 200dpi, 200 x 400dpi, 300 x 300dpi, 400 x 400dpi, 600 x 600dpi	
Communication Protocol	File:	FTP, SMB v3.0, WebDAV
	E-mail / I-Fax:	SMTP, POP3, I-Fax (Simple, Full)
File Format	Standard:	JPEG, TIFF, PDF / XPS (Compact), PDF (PDF / A-1b, Optimize for Web, Apply Policy)
	Optional:	PDF (Trace & Smooth, Encrypted), PDF / XPS (Searchable, Digital Signature), Office Open XML (PowerPoint, Word)
Fax Specification		
Optional / Standard	Optional on all models	
Maximum Number of Connection Lines	4	
Modem Speed	Super G3: 33.6kbps / G3: 14.4kbps	
Compression Method	MH, MR, MMR, JBIG	
Resolution	400 x 400dpi, 200 x 400dpi, 200 x 200dpi, 200 x 100dpi	
Sending / Recording Size	A5 and A5R* to A3 * Sent as A4	
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	
Store Specification		
Mail Box (Number	100 User Inboxes, 1 Memory RX Inbox, 50	

supported)	Confidential Fax Inboxes 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 Disc Space	Approx. 16GB (Standard HDD)	
	Approx. 480GB (1TB HDD)	
Memory Media	Standard: USB Memory	
Security Specification		
Authentication	Standard:	Picture Login Authentication, User Authentication, Department ID Authentication, Device and Function Level Login, Access Management System
	Optional:	My Print Anywhere secure print (Requires uniFLOW)
Data	Standard:	Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Hard Disk Drive Encryption (FIPS140-2 Validated), Mail Box Password Protection
	Optional:	Hard Disk Drive Mirroring, Hard Disk Drive removal, IEEE 2600.2 Common Criteria Certification.
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, Force Hold Print
	Optional:	Encrypted PDF, Encrypted Secure Print, User and Device signatures, Secure Watermarks, Document Scan lock
Environmental Specifications		
Operating Environment	Temperature: 10 to 30°C	
	Humidity: 20 to 80 % RH (no condensation)	
Power Requirements	iR-ADV 4551:	220 – 240V (±10 %), 50 / 60Hz (±2Hz) 5.6A
	iR-ADV 4545:	220 – 240V (±10 %), 50 / 60Hz (±2Hz) 5.2A
	iR-ADV 4535:	220 – 240V (±10 %), 50 / 60Hz (±2Hz) 5.2A

	iR-ADV 4525:	220 – 240V ($\pm 10\%$), 50 / 60Hz ($\pm 2\text{Hz}$) 4.3A
Power Consumption	Maximum:	1.5kW
	Standby:	Approx. 37W*
	Sleep mode:	Approx. 0.9W **
* Reference Value ** 0.9W sleep mode is not available in all circumstances due to certain settings.		