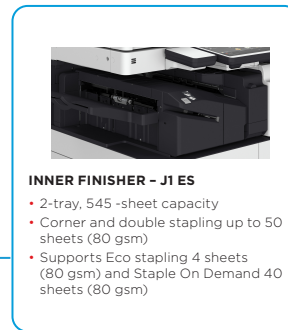


# imageRUNNER ADVANCE 4545i ES

**CLOUD READY,  
SECURE AND  
RELIABLE  
REMANUFACTURED  
MULTIFUNCTIONAL,  
WITH VERSATILE  
END-TO-END  
DOCUMENT  
CAPABILITIES**



## Main configuration options



This flat configuration is for illustration purpose only. For a complete list of options and the exact compatibility relationships, please refer to the online product configurator.

**Canon**

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# TECHNICAL SPECIFICATIONS

# imageRUNNER ADVANCE 4545i ES

<b>MAIN UNIT</b>			
<b>Machine type</b>	Monochrome Laser Multifunctional	<b>First-Copy-Out Time (BW/CL)</b>	Approx. 3.8 seconds or less
<b>Core functions</b>	Print, Copy, Scan, Send, Store and Optional Fax	<b>Copy resolution</b>	Reading: 600 dpi x 600 dpi Printing: Up to 1,200 dpi x 1,200 dpi
<b>Processor Speed</b>	Canon Dual Custom Processor (Shared) 1.75 Ghz	<b>Multiple Copies</b>	Up to 999 copies
<b>Control Panel</b>	25.6 cm (10.1 inch) TFT LCD WSVGA Colour Touch panel	<b>Copy Exposure</b>	Automatic or Manual (9 Levels)
<b>Memory</b>	Standard: 3.0 GB RAM	<b>Magnification</b>	Variable zoom: 25% to 400% (1% Increments) Preset reduction/enlargement: 25%, 50%, 70%, 100%(1:1), 141%, 200%, 400%
<b>Storage</b>	Standard: 250 GB	<b>Basic Copy Features</b>	Preset R/E Ratios by Area, Paper Setting, Previous Setting, Favourite Setting, Finishing, Two-Sided, Density Adjustment, Exposure Adjustment, Original Type Selection, Interrupt Mode, Setting Confirmation/Cancel
<b>Interface Connection</b>	<b>NETWORK</b> Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) <b>OTHERS</b> Standard: USB 2.0 (Host) x2, USB 3.0 (Host) x1, USB 2.0 (Device) x1	<b>Special Copy Features</b>	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, Print on Tab, Store in Mail Box, Superimpose Image, Cascade Copy, Copy ID Card, Free Size Original
<b>Paper Supply Capacity (A4, 80 gsm)</b>	Standard: 2,285 Sheets 4 x 550-sheet cassettes (80 gsm) 85-sheet multi-purpose tray (80 gsm)	<b>SCAN SPECIFICATIONS</b>	
<b>Paper output capacity (A4, 80 gsm)</b>	Standard: 250 sheets Max: 545 sheets (with Inner Finisher)	<b>Standard type</b>	Standard: Duplexing Automatic Document Feeder (DAF)
<b>Finishing capabilities</b>	Collate, Group With Inner Finisher : Collate, Group, Offset, Staple, Staple-Free Staple, Staple On Demand	<b>Pull Scan Specifications</b>	Colour Network ScanGear2. For both TWAIN and WIA Supported OS: Windows* 8.1/10/11/Server2012/Server2012 R2/Server 2016/Server 2019/Server 2022
<b>Supported media types</b>	Cassettes: Thin paper, Plain paper, Recycled paper, Colour paper, Pre-punched paper, Thick paper  Multi-purpose tray: Thin paper, Plain paper, Recycled paper, Colour paper, Pre-punched paper, Thick paper, Bond paper, Transparency, Labels, Tracing paper, Envelope	<b>Scan Resolution</b>	100 x 100 dpi, 150 x 150 dpi, 200 x 100 dpi, 200 x 200 dpi, 200 x 400 dpi, 300 x 300 dpi, 400 x 400 dpi, 600 x 600 dpi
<b>Supported media sizes</b>	Upper Cassette 1: Standard size: A4, A4R, B4, B5, B5R, A5R Custom size: Min. 139.7 mm x 182 mm up to 297 mm x 390 mm Lower Cassettes 2/3/4: Standard size: A4, A4R, A3, B4, B5, B5R, A5R Custom size: Min. 139.7 mm x 182 mm up to 297 mm x 431.8 mm Multi-purpose tray: Standard size: A4, A4R, A3, B4, B5, B5R, A5, A5R, Envelopes (No.10(COM10), Monarch, ISO-C5, DL) Free Size: Min. 98 mm x 148 mm up to 297 mm x 431.8 mm	<b>Supported media size/s</b>	A4, A4R, A3, B4, B5, B5R, A5, A5R, B6
<b>Supported media weights</b>	Cassettes: 60 to 128 gsm Multi-purpose tray: 52 to 220 gsm Duplex: 60 to 105 gsm	<b>Supported media weight/s</b>	1-sided scanning: 38 to 128 gsm/64 to 128 gsm (BW/CL) 2-sided scanning: 50 to 128 gsm/64 to 128 gsm (BW/CL)
<b>Warm-up Time</b>	From Power On: 24 Seconds or Less <sup>1</sup> From Sleep Mode: 10 Seconds or Less Quick Start-up Mode: 4 Seconds	<b>Scan Method</b>	Send functionality available on all models <b>Scan to USB Memory Key:</b> Available on all models <b>Scan to Mobiles or internet-connected devices:</b> A range of solutions is available to provide scanning to mobile devices or internet-connected devices depending on your requirements. Please contact your sales representative for further information. <b>Scan to cloud-based services:</b> A range of solutions is available to provide scanning to cloud-based services depending on your requirements. Please contact your sales representative for further information. TWAIN/WIA Pull scanning available on all models
<b>Dimensions (W x D x H)</b>	587 mm x 750 mm x 926 mm	<b>Scan Speed (BW/CL; A4)</b>	Single-sided Scanning (BW): 70 ipm (300 dpi) / 51 ipm (600 dpi) Single-sided Scanning (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) 100 Sheets
<b>Installation Space(W x D)</b>	889 mm x 1,811.9 mm (with Multi-purpose tray open)	<b>Document Feeder Paper Capacity (80 gsm)</b>	2-sided to 2-sided (Automatic)
<b>Weight</b>	Approx. 80.7 kg including toner	<b>SEND SPECIFICATIONS</b>	
<b>PRINT SPECIFICATIONS</b>		<b>Optional / Standard</b>	Standard on all models
<b>Printing method</b>	Monochrome Laser Beam Printing	<b>Destination</b>	E-mail/Internet FAX (SMTP), SMB, FTP, WebDAV, Mail Box, Super G3 FAX (Optional), IP Fax(Optional)
<b>Print Speed (BW/CL)</b>	45 ppm (A4), 22 ppm (A3), 32 ppm (A4R), 18 ppm (A5R)	<b>Colour Mode</b>	Auto Colour Select (Full Colour, Grayscale) Auto Colour Select (Full Colour/ Black-and-White) Full Colour, Grayscale, and Black-and-White
<b>Print Resolution</b>	1,200 dpi x 1,200 dpi	<b>Address Book/Speed dials</b>	LDAP (2,000)/Local (1,600)/Speed dial (200)
<b>Page description languages</b>	UFR II, PCL 6 (Standard)	<b>Send resolution</b>	Push: up to 600 x 600 Pull: up to 600 x 600
<b>Double Sided Printing</b>	Automatic (Standard)	<b>Communication protocol</b>	File: FTP, SMB v3.0, WebDAV E-mail/I-Fax: SMTP, POP3, I-Fax (Simple, Full)
<b>Direct Print</b>	Supported file types <sup>2</sup> : TIFF, JPEG, PDF, EPS, and XPS	<b>File Format</b>	Standard: TIFF, JPEG, PDF (Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b, Encrypted), XPS (Compact, Searchable), Office Open XML (PowerPoint, Word), PDF/XPS (Digital Signature) Optional: PDF (Trace&Smooth)
<b>Printing from mobile and cloud</b>	A range of software and MEAP-based solutions is available to provide printing from mobile devices or internet-connected devices and cloud-based services depending on your requirements. Please contact your sales representative for further information	<b>Universal Send Features</b>	Original Type Selection, Two-sided Original, Book to Two Pages, Different-size Originals, Density Adjustment, Sharpness, Copy Ratio, Erase Frame, Job Build, Sender's Name (TTI), Select Line, Direct Send, 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.
<b>OS Standard Printing</b>	Android, Windows* 10/11, Chrome OS, macOS (11.2.2 or later), iOS (15.2 or later), iPadOS	<b>FAX SPECIFICATIONS</b>	
<b>Fonts</b>	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	<b>Optional / Standard</b>	Optional
	<sup>1</sup> Requires optional PCL INTERNATIONAL FONT SET-A1 <sup>2</sup> Require optional BARCODE PRINTING KIT-D1		
<b>Print Features</b>	Suspend Job Timeout, Subset Finishing (PS only), Profile Settings, Secured Print, Watermark, Page Border, Header/Footer, Page Layout, Two-sided Printing, Collating, Booklet Printing, Grouping, Mixed Paper Sizes/ Orientations, Offsetting, Printing on Transparencies, Front/Back Covers, Toner Reduction, Poster Printing, Job hold printing		
<b>Operating System</b>	UFR II: Windows* 8.1/10/11/Server2012/Server2012 R2/Server2016/Server2019/Server2022, Mac OS X (10.11 or later) PCL: Windows* 8.1/10/11/Server2012/Server2012 R2/Server2016/Server2019/Server2022 PS: Windows* 8.1/10/11/Server2012/Server2012 R2/Server2016/Server2019/Server2022, Mac OS X (10.11 or later) PPD: Windows* 8.1/10/11, Mac OS X (10.11 or later)		
<b>COPY SPECIFICATIONS</b>			
<b>Copy Speed</b>	45 ppm (A4), 22 ppm (A3), 32 ppm (A4R), 18 ppm (A5R)		

# TECHNICAL SPECIFICATIONS

# imageRUNNER ADVANCE 4545i ES

<b>Maximum Number of Connection Lines</b>	2	<b>Noise levels (BW/CL)</b>	Sound Power Level (LwAd) <sup>6</sup> Active (BW): 74.8 dB or Less <sup>5</sup> , Standby: 53 dB or Less <sup>7</sup>
<b>Modem Speed</b>	Super G3: 33.6 kbps G3: 14.4 kbps		Sound Pressure (LpAm) <sup>5</sup> Bystander's position: Active (BW): 51 dB or Less <sup>5</sup> , Standby: 21 dB or Less <sup>7</sup>
<b>Compression Method</b>	MH, MR, MMR, JBIG	<b>SOFTWARE AND PRINTER MANAGEMENT</b>	
<b>Resolution</b>	400 x 400 dpi, 200 x 400 dpi, 200 x 200 dpi, 200 x 100 dpi	<b>Tracking and reporting</b>	Standard: Universal Login Manager (ULM), uniFLOW Online Express* Optional: uniFLOW Online* *For more information, please refer to: uniFLOW Online Express, uniFLOW Online
<b>Sending/Recording Size</b>	A5* and A5R* to A3 *Sent as A4	<b>Remote management tools</b>	iWEMC eMaintenance Content Delivery System
<b>FAX memory</b>	Up to 30,000 pages		Network ScanGear:
<b>Speed dials</b>	Max. 200	<b>Scanning software</b>	Canon Driver Configuration Tool
<b>Group dials/destinations</b>	Max. 199 dials	<b>Optimisation tools</b>	MEAP (Multifunctional Embedded Application Platform)
<b>Sequential broadcast</b>	Max. 256 addresses	<b>Platform</b>	Optional: Therefore™, Kofax Power PDF Advanced
<b>Memory backup</b>	Yes	<b>Document Publishing</b>	
<b>Fax Features</b>	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), Selecting the Telephone Line (when sending fax), Direct Send, Delayed Send, Preview, Finished Stamp, Job Done Notice, TX Report	<b>CONSUMABLES</b>	
<b>STORE SPECIFICATIONS</b>		<b>Toner Cartridge/s</b>	C-EXV 53 TONER BK
<b>Mail Box (Number supported)</b>	100 User Inboxes, 1 Memory RX Inbox, 50 Confidential Fax Inboxes, 30,000 Maximum Pages Stored	<b>Toner (Estimated Yield @ 5%/6% Coverage)</b>	C-EXV 53 TONER BK: 42,100 pages
<b>Advanced space</b>	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)	<b>OUTPUT OPTIONS</b>	
<b>Advanced Space available disc space</b>	Standard: Approx. 16 GB	<b>INNER FINISHER</b>	Name: INNER FINISHER-J1 ES Number of Trays: 2 Tray A (Upper) Capacity: A4, B5, A5R 45 sheets, A4R, A3, B4, B5R 45 sheets Tray B (Lower) Capacity: A4, B5, A5R 500 sheets, A4R, A3, B4, B5R 250 sheets Paper Weight: 52 to 220 gsm Staple Position: Corner, Double Staple Capacity: Corner and Double Stapling: A4/B5: 50 sheets (52 to 90 gsm) A4R/A3/B4: 30 sheets (52 to 90 gsm) Eco Staple: A4/A3/B4/B5: 5 sheets (52 to 64 gsm) 4 sheets (65 to 81.4 gsm) 3 sheets (81.5 to 105 gsm) Staple On Demand: 40 sheets (80 gsm) Dimensions (W x D x H): 604 mm x 535 mm x 205 mm (when the extension tray is extended) Weight: Approx. 7.2 kg
<b>Advanced Space Features</b>	Disabling Advanced space, Storage Filtering, Authentication for Advanced Space Log-in, Search Function, Sort Function, Printing a PDF File with a Password, imageWARE Secure Audit Manager Support	<b>HARDWARE ACCESSORIES</b>	
<b>Memory Media</b>	Standard: USB Memory	<b>Card Readers</b>	Various card readers are available, e.g. MiCard Plus. Please contact your local Canon Office for more details.
<b>SECURITY SPECIFICATIONS</b>		<b>SYSTEM AND CONTROLLER OPTIONS</b>	
<b>Authentication &amp; Access Control</b>	Standard: User Authentication (Picture Login, Picture and PIN Login, Card Login*, Username and Password Login, Function Level login, Mobile Login), Department ID Authentication (Department ID and PIN Login, Function Level Login), uniFLOW Online Express (PIN Login, Picture Login, Picture and PIN Login, Card Login, Card and PIN Login, Username and Password Login, Department ID and PIN Login, Function Level Login), Access Management System (Access Control) *Card readers are optional, please refer to Hardware Accessories. Activation is required Optional: My Print Anywhere secure print* *Requires uniFLOW Online/uniFLOW	<b>Print Accessories</b>	PCL INTERNATIONAL FONT SET-A1 - Adds PCL support for Andale Mono WT J/K/S/T (Japanese/Korean/Simplified Chinese/Traditional Chinese).
<b>Network</b>	Standard: IP/Mac Address Filtering, IPSEC, TLS 1.3 Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTP, S/MIME	<b>Send Options</b>	UNIVERSAL SEND DIGITAL USER SIGNATURE KIT-C1 - Ensures the authenticity of a PDF/XPS by identifying the user that sent the document through a visible and/or invisible digital signature. UNIVERSAL SEND TRACE & SMOOTH PDF KIT-A1 - Enables the device to create and send Trace and Smooth PDF
<b>Document</b>	Standard: Secure Print, Adobe LiveCycle® Rights Management ES2.5 Integration, Encrypted PDF, Encrypted Secure Print, Device signature, Secure Watermarks, uniFLOW Secure Print* Optional: User signature, Document Scan locking *Requires uniFLOW Online/uniFLOW	<b>Barcode Printing</b>	BARCODE PRINTING KIT-D1 - Provides the ability to print 1D and 2D barcodes on output using jet caps technology.
	Standard: Trusted Platform Module (TPM), Hard Disk Password Lock, Hard Disk Drive Erase, Mail Box Password Protection, Hard Disk Drive Encryption (AES-256bit/CBC, FIPS140-2 Validated), Common Criteria Certification (DIN ISO 15408) Optional: Data Loss Prevention* *Requires uniFLOW Online/uniFLOW	<b>Fax Accessories</b>	SUPER G3 FAX BOARD-AS1 ES - Adds fax functionality. REMOTE FAX KIT-A1 - Enables the device to send and receive fax from another device connected with a fax board
<b>Device Management &amp; Auditing</b>	Administrator Password, Digital Certificate And Key Management, Audit Log, Image Data Logging, Security Policy Setting	<b>OTHER OPTIONS</b>	
<b>ENVIRONMENTAL SPECIFICATIONS</b>		<b>Stapler Accessories</b>	STAPLE-P1 - For stapling (2 x 5,000 pcs) STAPLE CARTRIDGE-Y1 - For saddle stitching (2 x 2,000 pcs)
<b>Operating Environment</b>	Temperature: 10 to 30 °C (50 to 86 °F) Humidity: 20 to 80 % RH (Relative Humidity)	<b>Other</b>	Antimicrobial Film - Various Sheets designed to fit the devices most common touch points*. *Application by a Service engineer is recommended
<b>Power source</b>	220-240 V (±10 %), 50/60 Hz (±2 Hz), 5.2 Amp	<b>Notes:</b>	
<b>Power consumption</b>	Maximum: Approx. 1.5 kW Printing: 862 Wh or less <sup>3</sup> Standby: Approx. 37 Wh Sleep mode: Approx. 0.9 W <sup>4</sup> Plugin Off: Approx. 0.3W <sup>2</sup> Typical Electricity Consumption (TEC) rating <sup>5</sup> : 0.64 kWh  For detailed information relating to Erp:Lot6/26 regulation, please go to: <a href="https://www.canon-europe.com/for_work/lot26/">https://www.canon-europe.com/for_work/lot26/</a>	<sup>[1]</sup> Time between device power-on and when the start key is enabled. Quick startup Mode ON <sup>[2]</sup> Only PDF print from websites is supported <sup>[3]</sup> Data taken from Blue Angel Certification User Notes <sup>[4]</sup> 0.9W sleep mode is not available in all circumstances due to certain settings. <sup>[5]</sup> As per US ENERGY STAR version 3.0 <sup>[6]</sup> Declared noise emission in accordance with ISO 7779 <sup>[7]</sup> Data taken from ECO declaration	

## Software & Solutions



## Certifications and compatibility



**Canon**

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