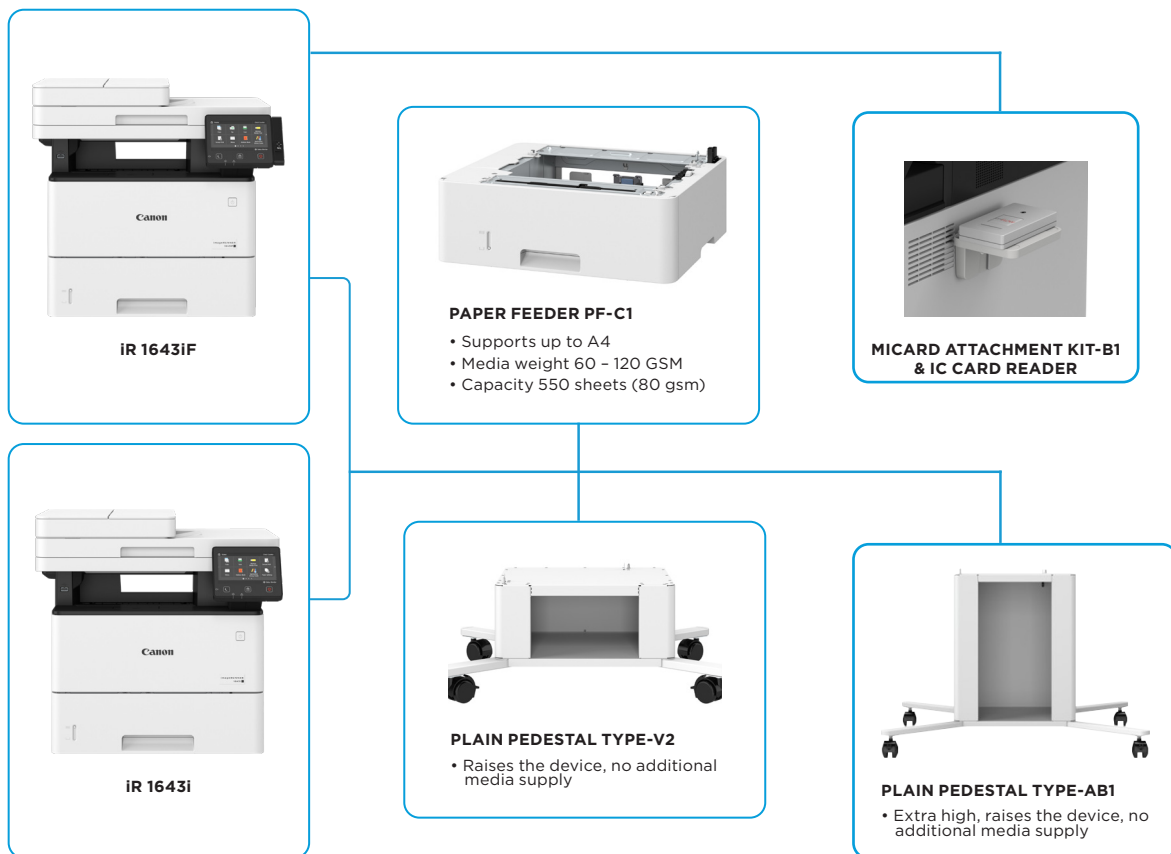


imageRUNNER 1600 Series

HIGHLY EFFICIENT A4 MONO MULTIFUNCTION DEVICES WITH FAST SCANNING CAPABILITIES



MAIN CONFIGURATION OPTIONS



This flat configuration is for illustration purpose only. For a complete list of options and the exact compatibility, please refer to the Online Product Configurator or consult your sales representative.

Canon

TECHNICAL SPECIFICATIONS

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MAIN UNIT

Machine type	Monochrome A4 Laser Multifunctional
Core functions	iR 1643iF: Print, Copy, Scan, Send and Fax iR 1643i: Print, Copy, Scan and Send
Processor	Canon Custom Processor
Control Panel	12.7cm/5" TFT LCD WVGA Colour Touch panel
Memory	Standard: 1.0GB RAM
Interface Connection	NETWORK Standard: 1000Base-T/100Base-TX/10-Base-T, Wireless LAN (IEEE 802.11 b/g/n), NFC (iR 1643iF only), Wi-Fi Direct Connection OTHERS Standard: USB 2.0 (Host) x2, USB 2.0 (Device) x1
Paper Supply Capacity (A4, 80gsm)	Standard: 650 sheets Paper Cassette: 550-sheet Multi-purpose tray: 100-sheet Maximum: 2,300 sheets (with PAPER FEEDER PF-C1x3)
Paper output capacity (A4, 80gsm)	150 sheets
Supported media types	Upper Cassette 1: Thin, Plain, Thick, Colour, Recycled, Bond Multi-purpose tray: Thin, Plain, Thick, Colour, Recycled, Bond, Label, Envelope
Supported media sizes	Upper Cassette 1: Standard size: A4, B5, A5, A5R, A6 Standard size: A4, B5, A5, A5R, A6 Multi-purpose tray: Standard size: A4, B5, A5, A5R, A6 Index Card, Envelopes [No. 10(COM 10), Monarch, ISO-C5, DL] Custom Size: Min. 76.2 x 127.0 mm up to 216.0 x 355.6 mm
Supported media weights	Upper Cassette 1: 60 to 120 gsm Multi-purpose tray: 60 to 199 gsm Duplex: 60 to 120 gsm
Warm-up Time	From Power On: 14 Seconds or Less * * Time from device power-on, until copy ready (not print reservation) From Sleep Mode: 4 Seconds or Less
Dimensions (W x D x H)	1643i: 480 x 595 x 452 mm (with the multi purpose tray extended) 1643iF: 494 x 595 x 452 mm (with the Multi-purpose tray extended)
Installation Space (W x D)	1643i: 694 x 1105 mm (with Cassette open + 100 mm gap around the main body) 1643iF: 708 x 1105 mm (with Cassette open + 100 mm gap around the main body)
Weight	Standard: Approx. 19 kg without toner

PRINT SPECIFICATIONS

Print Speed (BW)	iR 1643iF/1643i: 1-Sided 43 ppm (A4) 2- sided 36ipm (A4)
Print Resolution	600 x 600 dpi
Print Quality with Image Refinement Technology	Up to 1200 x 1200 dpi
Page description languages	Standard: UFR II, PCL6, PCL5, Adobe®PostScript®3TM
Direct Print	Direct printing available from USB memory, LPR Supported file types: TIFF, JPEG, PDF and XPS
Printing from mobile and cloud	Apple Air Print, Canon PRINT Business, Mopria, Google Cloud Print, Windows® 10 Mobile Print and uniFLOW Online A range of software solutions are 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
Fonts	PCL fonts: 93 Roman PS fonts: 136 Roman
Print Features	Suspend Job Timeout, Profile Settings, Secure Print, Header/Footer, Page Layout, Two-sided Printing, Collating, Booklet Printing, Grouping, Mixed Paper Sizes/ Orientations, Front/Back Covers, Toner Reduction, Poster Printing
Operating System	UFR II/PCL/PS: Windows®7/8.1/10/Server 2008/Server2008 R2/Server2012/Server2012 R2/Server2016, Mac OS X (10.9 or later)

COPY SPECIFICATIONS

Copy Speed	iR 1643iF/1643i: 43 ppm (A4) Platen: Approx. 6.3 seconds or less ADF: Approx. 6.4 seconds or less
First-Copy-Out Time (BW)	Reading: 600 x 600 Printing: 600 x 600
Copy resolution (dpi)	UP to 999 copies Automatic or Manual (9 Levels)
Multiple Copies	25% - 400% (1% Increments)
Copy Density	25%, 50%, 70%, 81%, 86%
Magnification	115%, 122%, 141%, 200%, 400%
Preset Reductions	Preset R/E Ratios by Area, Paper Setting, Favourite Setting, Two-Sided, Density Adjustment, Original Type Selection
Preset Enlargements	Two-sided Original, Job Build, N on 1, Different Size Originals, Density Adjustment, Original Type Selection, Sharpness, Erase Frame, Job Done Notice, Copy ID Card, Collate
Basic Copy Features	
Special Copy Features	

SCAN SPECIFICATIONS

Document Feeder type	Standard: Single-Pass Duplexing Automatic Document Feeder
Paper Capacity	A4: 50 sheets (80 gsm)
Acceptable Originals and weights	Platen: Sheet, Book, 3-Dimensional Objects (Height: up to 20mm) Document Feeder sheet media weight : 1-sided/2-sided continuous scanning: 50 to 105 gsm
Supported media sizes	Sheet media size: A4R, B5R, A5R, A6R Custom size: 105 x 128 mm to 215.9 x 355.6 mm
Scan Speed (ipm: BW/CL; A4)	Copy: 1-sided Scanning: 20 2-sided Scanning: 34 Send: 1-sided Scanning(BW): 38 1-sided Scanning:(CL): 13 2-sided Scanning(BW): 70 2-sided Scanning:(CL): 26
Scan Resolution (dpi)	Copy: 600 x 600 Send: (Push) up to 600 x 600, (Pull) up to 600 x 600 Fax: up to 600 x 600
Pull Scan Specifications	ScanGear MF For both TWAIN and WIA Windows® 7/8.1/10/Server2008/Server2008 R2/Server2012/Server2012 R2/Server2016, Mac OS X (10.9 or later)
Scan Method	Send functionality available on both models Scan to USB Memory Key Scan to Mobile Devices and cloud-based services: A range of solutions is available to provide scanning to mobile devices or cloud-based services depending on your requirements. Please contact your sales representative for further information. TWAIN/WIA Pull scanning available on both models

SEND SPECIFICATIONS

Destination	E-mail/Internet FAX (SMTP), SMB, FTP
Address Book/Speed dials	LDAP (50)/Local (300)/Speed dial (281)
Send resolution (dpi)	Push: 196 x 204 (I-FAX) 300 x 300 (email/SMB/FTP) Pull: Max. 9600 x 9600
Communication protocol	File: FTP, SMB E-mail/I-Fax: SMTP, POP3, I-Fax (Simple)
File Format	Standard: TIFF, JPEG, PDF (Compact, Searchable, Encrypted, Digital Signature)
Universal Send Features	Original Type Selection, Two-sided Original, Density Adjustment, Sharpness, File Name, Subject/Message, E-mail Priority, TX Report, Original Content Orientation

TECHNICAL SPECIFICATIONS

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FAX SPECIFICATIONS

Optional/ standard	iR 1643iF: Standard
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 (Ultrafine), 200 x 400 (Superfine), 200 x 200 (Fine/ Photo), 200 x 100 (Normal)
Sending/Recording Size	A4, B5*, A5*, A6* *1 Sent as A4
FAX memory	Up to 512 pages
Speed dials	Max. 281
Group dials/destinations	Max. 299 dials
Sequential broadcast	Max. 310 addresses
Memory backup	Yes
Fax Features	Two-sided Original, Density (for Scanning), Sharpness, TX Report, RX Mode, Resolutions, Favorite Settings

STORE SPECIFICATIONS

Memory Media	Standard: USB Memory
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SECURITY SPECIFICATIONS

Authentication	Embedded Universal Login Manager with uniFLOW Online/Online Express*, Department ID *No charge for this solution; however activation is required
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, Encrypted PDF, Device signature

ENVIRONMENTAL SPECIFICATIONS

Operating Environment	Temperature: 10 to 30 °C (50 to 86 °F) Humidity: 20 to 80 % RH (Relative Humidity)
Power source	AC220-240V:3.9A,50/60Hz
Plug (Main Unit)	CEE7/7
Power consumption	Maximum: Approx. 1420W or less Standby: Approx. 13.6 W Sleep mode: Approx. 0.7 W Plugin Off: Approx. 0.1W or less Typical Electricity Consumption (TEC)* : 1.4 kWh *As per US ENERGY STAR® version 2.0
Noise levels (BW/CL)	Sound Power Level (LwAd) Active: 72.9 dB or Less*1 Standby: LwAm 3.7B, Kv 0.3B*2 Sound Pressure Level (LpAm)*2 Bystander's position: Active: 1-sided:LpAm 54 dB, 2-sided:LpAm 53 dB Standby: 24 dB *1 RAL-UZ205(2017) compliant (Data taken from Blue Angel Standard value) *2 Reference value: measured only one unit with ISO7779, described with ISO9296:2017
Standards	Blue Angel

CONSUMABLES

Toner Cartridge/s	Toner T06 Black
Toner (Estimated Yield @5% Coverage)	Black: 20,500 impressions (A4)

SOFTWARE AND PRINTER MANAGEMENT

Tracking and reporting	Universal Login Manager (ULM)*: Manage your costs easily by using the embedded reporting capability to identify and control costs on a user-based level by device. uniFLOW Online Express: Combining with ULM you can gain further control and highlight expenditures per users/department and pinpoint where costs can be scaled down from a central cloud based location.
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Remote management tools

Remote management tools	*Installation, activation & registration required iW Management Console: Server-based software for centralised management of a fleet of devices (includes monitoring or consumables, status monitoring and alerts, distribution of address books, configuration settings, firmware and MEAP applications, meter capture and reporting, driver and resource management) eMaintenance: Compatible with eMaintenance services via embedded RDS (Enables meter capture, automatic consumables management, remote diagnostics and reporting for service providers to offer efficient, fast and proactive maintenance) Content Delivery System:
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Scanning software	Allows the Remote distribution of firmware, iR options and MEAP applications; Remote User Interface (RUI) Web based interface to each device that helps to provide remote device management and control Network ScanGear: TWAIN-compliant scanner driver that enables computers on a network to use the pull scan functionality of the device
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PAPER SUPPLY OPTIONS

Feeder Options	PAPER FEEDER PF-C1 Paper Capacity:550 sheets (80 gsm) Paper Type:Thin, Plain, Thick, Colour, Recycled, Bond Paper Size: A4,B5,A5,A5R,A6, Custom size:105.0 x 148.0mm to 216.0 x 355.6mm Paper Weight: 60 to 120 gsm Power Source: From the Main Unit Dimensions (W x D x H): 480 x 464 x 842*mm (*attached to the main unit) Weight: Approx. 4.0 kg
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HARDWARE ACCESSORIES

CARD READERS	MICARD ATT KIT-B1 COPY CARD READER-F1 C.CARD READER ATCH-J1
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SYSTEM AND CONTROLES OPTIONS

BARCODE PRINTING SYSTEM ACCESSORIES	BARCODE PRT KIT-EIE EU CONTROL I/F KIT-C1
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OTHER OPTIONS

ACCESSIBILITY ACCESSORIES	TEL 6 KIT UK LONG CORD TEL 6 KIT EU LONG CORD TEL 6 KIT SA LONG CORD
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PRODUCT DETAILS:

PRODUCT NAME	MERCURY CODE	EAN CODE
imageRUNNER 1643iF MFP	3630C005AA	4549292137323
imageRUNNER 1643i MFP	3630C006AA	4549292137330

OPTIONAL ACCESSORIES:

PRODUCT NAME	MERCURY CODE	EAN CODE
Network Option		
Barcode Printing Kit-E1@E	5143B002AA	N/A
Send/FAX		
Telephone 6 Kit UK (CW)	0752A053AA	4960999453897
Telephone 6 Kit EU (CW)	0752A054AA	4960999453910
Telephone 6 Kit SA (CW)	0752A055AA	4960999453927
Paper Supply Option		
Paper Feeder PF-C1	0865C001AA	4549292050691
Plain Pedestal Type-V2	2223C040AA	87145746641
Plain Pedestal Type-AB1	5511C002AA	8714574668741
Other Option		
MiCARD Attachment Kit-B1	5146B002AA	4549292027235
Copy Card Reader-F1	4784B001AA	4960999679686
Copy Card Reader Attachment-J1	5140B002AA	4549292027228
Copy Control Interface Kit-C1	5145B001AA	4960999780269
DCS - Device Centric Software		
MiCard PLUS for ULM	8418B001AA	8714574592169
UFMifare10CardPack	8418B002AA	8714574592176
UFHID10 CardPack	8418B003AA	8714574592183
Consumables		
Toner T06 Black	3526C002AA	4549292140286

Software & Solutions



Compatibility



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 English edition
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