imageRUNNER 1600 Series
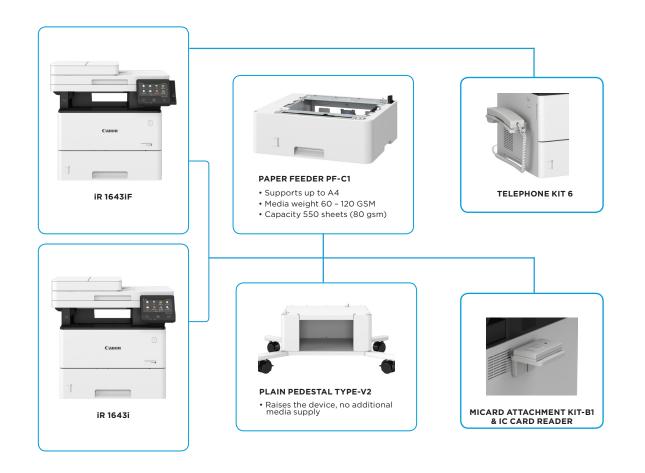
HIGHLY EFFICIENT A4 MONO MULTIFUNCTION DEVICES WITH FAST SCANNING CAPABILITIES

MAIN CONFIGURATION OPTIONS

iR 1643iF

PAPER FEEDER PF-C1
- Supports up to A4
- Media weight 60 – 120 GSM
- Capacity 550 sheets (80 gsm)

TELEPHONE KIT 6

iR 1643i

PLAIN PEDESTAL TYPE-V2
- Raises the device, no additional media supply

MICARD ATTACHMENT KIT-B1 & IC CARD READER

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.

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: 43 ppm (A4)
Print Resolution	600 × 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	UFRII/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)
First-Copy-Out Time (BW)	Platen: Approx. 6.3 seconds or less ADF: Approx. 6.4 seconds or less
Copy resolution (dpi)	Reading: 600 x 600 Printing: 600 x 600
Multiple Copies	UP to 999 copies
Copy Density	Automatic or Manual (9 Levels)
Magnification	25% - 400% (1% Increments)
Preset Reductions	25%, 50%, 70%, 81%, 86%
Preset Enlargements	115%, 122%, 141%, 200%, 400%
Basic Copy Features	Preset R/E Ratios by Area, Paper Setting, Favourite Setting, Two-Sided, Density Adjustment, Original Type Selection
Special Copy Features	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

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

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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*1, A5*1, A6*1 *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

SECURITY SPECIFICATIONS

Authentication	Embeded 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 ºC (50 to 86 ºF) 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. *Installation, activation & registration required
Remote management tools	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: 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
Scanning software	Network ScanGear: TWAIN-compliant scanner driver that enables computers on a network to use the pull scan functionality of the device

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

HARDWARE ACCESSORIES

CARD READERS	MICARD ATT KIT-B1 COPY CARD READER-F1 C.CARD READER ATCH-J1

SYSTEM AND CONTROLES OPTIONS

BARCODE PRINTING	BARCODE PRT KIT-E1E EU
SYSTEM ACCESSORIES	CONTROL I/F KIT-C1

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
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