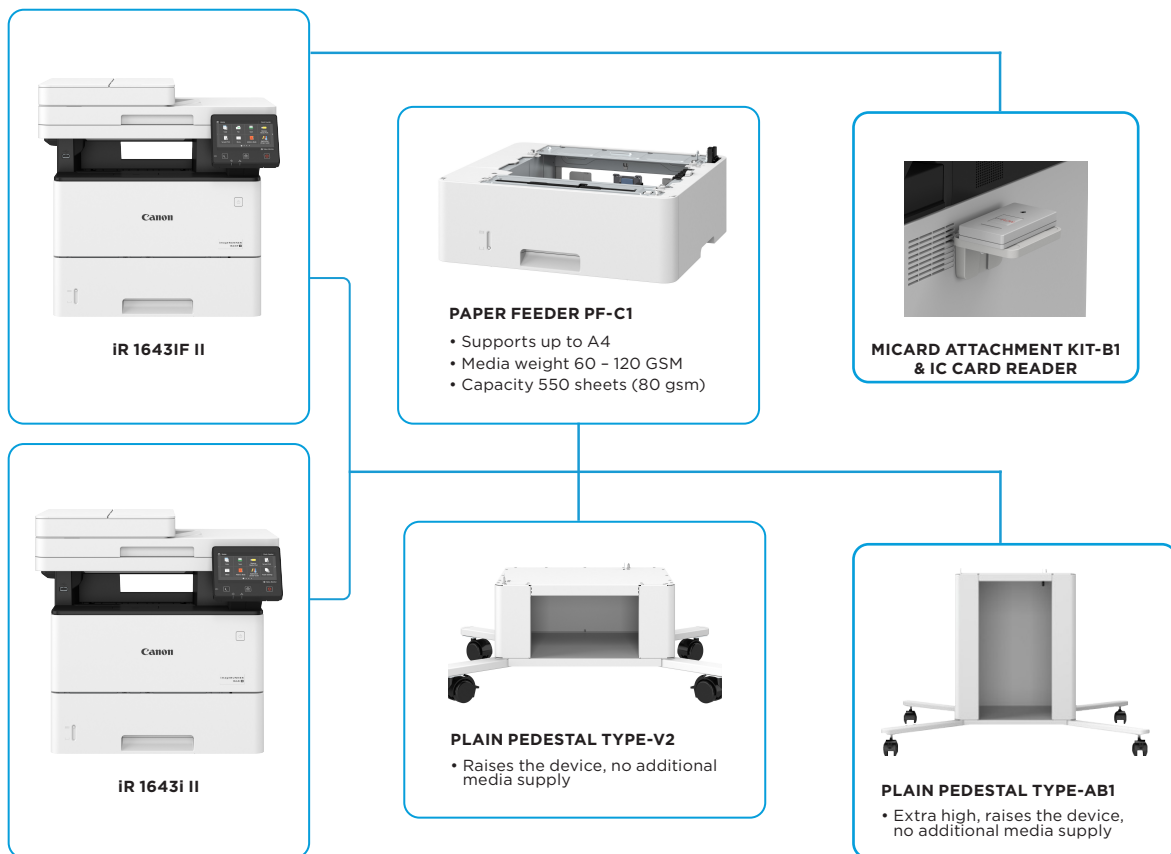


## imageRUNNER 1643 II Series

# 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**

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# TECHNICAL SPECIFICATIONS

# imageRUNNER 1643 II Series

## MAIN UNIT

<b>Machine type</b>	Monochrome A4 Laser Multifunctional
<b>Core functions</b>	iR 1643iF II: Print, Copy, Scan, Send and Fax iR 1643i II: Print, Copy, Scan and Send
<b>Processor</b>	Canon Custom Processor
<b>Control Panel</b>	12.7cm/5" TFT LCD WVGA Colour Touch panel
<b>Memory</b>	Standard: 1.0GB RAM
<b>Storage</b>	2GB eMMC
<b>Interface Connection</b>	NETWORK Standard: 1000Base-T/100Base-TX/10-Base-T, Wireless LAN (IEEE 802.11 b/g/n), Wi-Fi Direct Connection  OTHERS Standard: USB 2.0 (Host) x2, USB 2.0 (Device) x1
<b>Paper Supply Capacity (A4, 80gsm)</b>	Standard: 650 sheets Paper Cassette: 550-sheet Multi-purpose tray: 100-sheet Maximum: 2,300 sheets (with PAPER FEEDER PF-C1x3)
<b>Paper output capacity (A4, 80gsm)</b>	150 sheets
<b>Finishing Capabilities</b>	Collate, Group
<b>Supported media types</b>	Upper Cassette 1: Thin, Plain, Thick, Colour, Recycled, Bond  Multi-purpose tray: Thin, Plain, Thick, Colour, Recycled, Bond, Label, Envelope
<b>Supported media sizes</b>	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
<b>Supported media weights</b>	Upper Cassette 1: 60 to 120 gsm Multi-purpose tray: 60 to 199 gsm Duplex: 60 to 120 gsm
<b>Warm-up Time</b>	From Power On: 14 Seconds or Less* *Time from device power-on, until copy ready (not print reservation)
<b>Dimensions (W x D x H)</b>	From Sleep Mode: 4 Seconds or Less 480 x 595 x 452 mm (with the multi purpose tray extended)
<b>Installation Space (W x D)</b>	480 x 905 mm (with Cassette open)
<b>Weight</b>	Standard: Approx. 19 kg without toner

## PRINT SPECIFICATIONS

<b>Print Speed (BW)</b>	1-Sided 43 ppm (A4) 2- sided 36ipm (A4)
<b>Print Resolution (dpi)</b>	Up to 1200 x 1200
<b>Page description languages</b>	Standard: UFR II, PCL6, PCL5, Adobe® PostScript3
<b>Direct Print</b>	Direct printing available from USB memory, LPR Supported file types: TIFF, JPEG, PDF and XPS (LPR only)
<b>Printing from mobile and cloud</b>	Apple AirPrint, Canon PRINT Business, Mopria, Canon Print Service, Dropbox, GoogleDrive, OneDrive and uniFLOW Online  A range of software solutions is available to provide printing from mobile devices or internet-connected devices and cloud-based services depending on your requirements.
<b>OS Standard Printing</b>	Android/Windows® 10/Chrome OS/macOS (11.2.2) /iOS/iPadOS
<b>Fonts</b>	PCL fonts: 93 Roman PS fonts: 136 Roman
<b>Print Features</b>	Watermark, Header/Footer, Page Layout, Two-sided Printing, Mixed Paper Sizes/Orientations, Toner Reduction, Poster Printing, Print Date

## Operating System

UFR II: Windows® 8.1/10/11/Server 2012/Server 2012 R2/Server 2016/Server 2019, MAC OS X (10.11 or later)

PCL: Windows® 8.1/10/11/Server 2012/Server 2012 R2/Server 2016/Server 2019

PS: Windows® 8.1/10/11/Server 2012/Server 2012 R2/Server 2016/Server 2019, MAC OS X (10.11 or later)

PPD: Windows® 8.1/10/11, MAC OS X (10.11 or later)

## COPY SPECIFICATIONS

<b>Copy Speed</b>	43 ppm (A4)
<b>First-Copy-Out Time (BW)</b>	Platen: Approx. 6.3 seconds or less ADF: Approx. 6.4 seconds or less
<b>Copy resolution (dpi)</b>	600 x 600
<b>Multiple Copies</b>	UP to 999 copies
<b>Copy Density</b>	Automatic or Manual (9 Levels)
<b>Magnification</b>	25% - 400% (1% Increments) Preset reduction/enlargement: 25%, 50%, 70%, 81%, 86%, 100%, 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

<b>Type</b>	Standard: Single-Pass Duplexing Automatic Document Feeder
<b>Paper Capacity</b>	A4: 50 sheets (80 gsm)
<b>Acceptable Originals and weights</b>	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
<b>Supported media sizes</b>	Sheet media size: A4R, B5R, A5R, A6R Custom size: 105 x 128 mm to 215.9 x 355.6 mm
<b>Scan Speed (ipm: BW/CL; A4)</b>	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
<b>Scan Resolution (dpi)</b>	Copy: 600 x 600 Send: (Push) up to 300 x 600, (Pull) up to 600 x 600 Fax: up to 400 x 400
<b>Pull Scan Specifications</b>	ScanGear MF For both TWAIN and WIA Windows®8.1/10/, Mac OS X (10.11, 11 later)
<b>Scan Method</b>	Push scan, Pull scan, Scan to Network, Scan to memory media (USB Memory Key), Scan to cloud-based services (Dropbox, GoogleDrive, OneDrive, uniFLOW Online/Online Express)

# TECHNICAL SPECIFICATIONS

# imageRUNNER 1643 II Series

## 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 (TCP/IP), SMB 3.0 (TCP/IP) Email/iFax: SMTP (send), POP3- (receive)
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

## FAX SPECIFICATIONS

Optional/ standard	iR 1643iF II: 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 and Access Control	Department ID Authentication (Department ID and PIN login, Function level Login) uniFLOW Online Express* (PIN Login, Card Login, Card and PIN Login ) *No charge for this solution; however activation is required
Document Security	Print Security (Secure Print, uniFLOW Secure Print*), Scan Security (Encrypted PDF, Device Signature PDF/XPS), Send Data Security (Restricted E-mail/File send functions, Security Confirming FAX number, Allow/Restrict Fax Driver Transmissions, Allow/Restrict Sending from History) *1 Requires optional uniFLOW Online / uniFLOW
Network Security	TLS 1.3, IPSec, IEEE802.1X authentication, SNMPv3, Firewall, Functionality(IP/MAC Address Filtering), Enabling/Disabling(Network Applications, Remote UI, USB Interface), G3 FAX separation from LAN, USB Port separation from LAN
Device Security	Storage Initialize, Job Log Conceal Function, Protecting MFP Software Integrity, Verify System at Start-Up
Device Management and Auditing	Administrator Password, Digital Certificate and Key Management, Security Policy Setting

## 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
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)*: 0.41 kWh *As per US ENERGY STAR® version 3.0
Noise levels (BW/CL)	Sound Power Level (LwAd) Active: 72.9 dB or Less* <sup>1</sup> Standby: LwAm 3.7B, Kv 0.3B* <sup>2</sup> Sound Pressure Level (LpAm)* <sup>2</sup> Bystander's position: Active: 1-sided:LpAm 54 dB, 2-sided:LpAm 53 dB Standby: 24 dB  * <sup>1</sup> RAL-UZ205(2017) compliant (Data taken from Blue Angel Standard value) * <sup>2</sup> Reference value: measured only one unit with ISO7779, described with ISO9296:2017
Standards	Blue Angel (Pending Confirmation)

## CONSUMABLES

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

## SOFTWARE AND PRINTER MANAGEMENT

Tracking and reporting	uniFLOW Online Express
Remote management tools	iW Enterprise Management Console eMaintenance Content Delivery System
Scanning software	Network ScanGear

## 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	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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## Software & Solutions



## Compatibility



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