imageRUNNER 1643 Series

Black-and-White | Compact | User-Friendly

- Print up to 45 ppm (BW)
- Scan in colour and black and white
- Print up to 8-1/2" x 14"
- 2,300-sheet maximum paper capacity

Small businesses and corporate workgroups depend on solutions that help maximize resources, boost productivity, and are easy to manage. The cost-efficient imageRUNNER 1643 Series can do all that, and more. With fast output, scanning, faxing,[1] and high reliability, the imageRUNNER 1643iF/1643i multifunction devices help you accomplish a lot in a small space.

WORKFLOW EFFICIENCY

Whether you're a small business or part of a workgroup, the imageRUNNER 1643 Series can help boost operational efficiency. Scan and email documents or conveniently scan to/print from a USB memory stick. The ID Card Copy feature easily copies two-sided cards onto the same page. Extend your document management capabilities when you scan using the standard PDF (OCR) format. Mobile workers can print from compatible mobile devices. Application Library provides users with a unique, customized device experience.

SECURITY

Safeguard information with the imageRUNNER 1643 Series' security features. Canon's uniFLOW solution lets users securely retrieve documents from a networked device after authentication. Standard security features include the ability to send encrypted PDFs and add a digital device signature to PDF files. These models also include Verify System at Startup to ensure that the device, firmware, and applications initialize without tampering. TX Archiving automatically forwards a copy of a fax to an administrator-defined destination.[1] With no hard disks in these models, confidential information is not stored locally on the device.

QUALITY AND RELIABILITY

With a first-copy-out time as fast as 6.3 seconds and output up to 45 ppm, the imageRUNNER 1643 Series is a quick performer. Scan documents in black and white or colour to email addresses and networked locations. The 5" intuitive colour touchscreen display has smartphone-like usability. The standard 650-sheet capacity can be increased to 2,300 sheets to handle many jobs without interruption.

FLEET MANAGEMENT

An ideal replacement for single-function printers or older models, the imageRUNNER 1643 Series can easily integrate into your network of Canon devices to help streamline and simplify management and maintenance. Even receive alerts when supplies or service calls are needed with imageWARE Enterprise Management Console and plug-ins.

EFFICIENT PERFORMANCE

Designed with your bottom line in mind, the Canon imageRUNNER 1643 Series helps minimize costs and maximize reliability while the robust design helps ensure dependable operation. Canon's uniFLOW® software can help control costs by managing, tracking, and charging back usage. And simple-to-replace, high-yield consumables help keep work moving while achieving a low cost per page.

SUSTAINABILITY

The imageRUNNER 1643 Series is ENERGY STAR® certified and has a low TEC (Total Energy Consumption) rating.
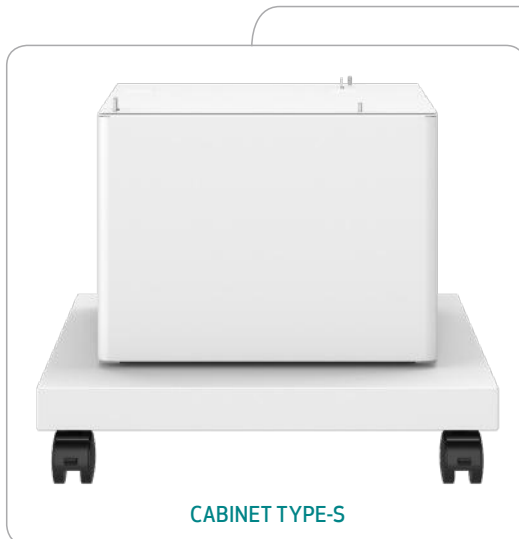
imageRUNNER 1643iF
- 5" Colour Touchscreen Display
- Single Pass Duplex Automatic Document Feeder
- Scan/send
- Wireless LAN
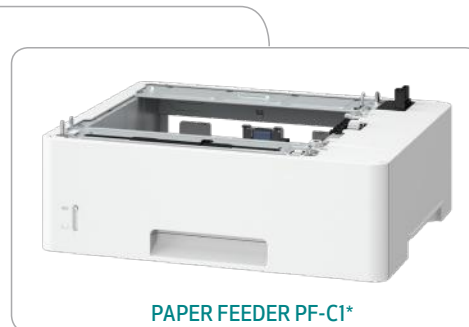- PostScript standard
- Fax and NFC standard

imageRUNNER 1643i
- 5" Colour Touchscreen Display
- Single Pass Duplex Automatic Document Feeder
- Scan/send
- Wireless LAN
- PostScript optional

CABINET TYPE-S

PAPER FEEDER PF-C1*

* Can add up to three additional cassettes. It is strongly suggested to have Cabinet Type-S when utilizing two or three cassette configurations.

SPECIFICATIONS

Main Unit

Type
Monochrome Laser Multifunctional

Core Functions

1643iF:	Print, Copy, Scan, Send, Fax
1643i:	Print, Copy, Scan, Send

Processor
Canon Dual Custom Processor (Shared)

Operation Panel
5" TFT LCD WVGA Colour Touch Panel

Memory
1.0 GB RAM

Interface Connection

Network (Standard):	1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n), NFC,[1] Wi-Fi Direct Connection
Others (Standard):	USB 2.0 (Host) x2, USB 2.0 (Device) x1

Paper Sources (LTR, 20 lb. Bond)

Standard:	550-sheet Paper Cassette, 100-sheet Stack Bypass
Optional:	550-sheet PAPER FEEDER PF-C1 (up to 3)
Maximum:	2,300 Sheets

Paper Output Capacity (LTR, 20 lb. Bond)

Maximum:	150 Sheets

Supported Media Sizes

Cassette:	Letter, Legal, Statement, Executive
Bypass:	Letter, Legal, Statement, Executive, Custom size (3" x 5" to 8-1/2" x 14"), Envelope (C5/DL/ COM-10/Monarch)

Supported Media Weights

Cassette:	16 lb. Bond to 32 lb. Bond (60 to 120 g/m^2)
Bypass:	16 lb. Bond to 73 lb. Cover (60 to 199 g/m^2)

Copy Speed/Print Speed
Up to 45 ppm (Letter);
Up to 36 ppm (Legal)

Warm-up Time

From Power On:	14 Seconds or Less[2]
From Sleep Mode:	4 Seconds or Less

Dimensions (W x D x H)

1643iF:	19-7/16" x 18-5/16" x 17-3/16" (494 mm x 465 mm x 452 mm)
1643i:	18-7/8" x 15-5/16" x 17-13/16" (480 mm x 465 mm x 452 mm)

Installation Space (W x D)

1643iF:	27-7/8" x 43-1/2" (708 mm x 1105 mm)
1643i:	27-5/16" x 43-1/2" (694 mm x 1105 mm)

Weight[3]
Approx. 41.9 lb. (19 kg)

Print Specifications

First-Print-Out Time (LTR)
Approx. 5.7 Seconds

Print Resolution (dpi)
600 × 600

Standard Page Description Languages
UFR II LT, PCL®5e/6, Adobe® PS® 3 (Standard on 1643iF, optional on 1643i)

Optional:	Barcode Printing Kit

Direct Print Support

Supported File Types:	TIFF, JPEG, PDF and XPS (only LPR) Available from USB memory, LPR

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
Windows 10/8.1/7 (32/64 bit), Windows Server (2019/2016/2012 R2 (64 bit)/2012 (64 bit)/ 2008 R2 (64 bit) /2008 (32/64 bit), Mac® (OS X 10.6 and later => 10.9 ~ 10/14) Linux (Web Distribution)

Drivers
UFR II, PCL® 5/6, Adobe® PS® 3 (Standard on 1643iF and optional on 1643i)

Copy Specifications

First-Copy-Out Time (LTR)
As fast as 6.0 Seconds (via Platen)

Copy Resolution (dpi)
Reading/Printing: Up to 600 x 600

Copy Specifications
Automatic or Manual (9 Levels)

Multiple Copies
Up to 999

Magnification
25% - 400% (1% Increments) from Platen Glass

Preset Reductions
25%, 50%, 64%, 78%

Preset Enlargements
129%, 200%, 400%

Basic Copy Features
Preset R/E Ratios by Area, Paper Setting, Favorite Setting, Two-Sided, Density Adjustment, Original Type Selection

Special Copy Features
Two-sided Original, Sort, Job Build, N on 1, Different Size Originals, Density Adjustment, Original Type Selection, Sharpness, Erase Frame, Copy ID Card

Scan Specifications

Type
Duplexing Automatic Document Feeder

Document Feeder Paper Capacity
LTR: 50 Sheets (20 lb. Bond), LGL: 30 Sheets (20 lb. Bond)

Maximum Original Size
Up to 8-1/2" x 14"

Document Feeder Supported Media Sizes
4-1/8" x 5" to 8-1/2" x 14"

Document Feeder Supported Media Weights

Simplex:	13 lb. to 28 lb. Bond (50 to 105 g/m^2)
Duplex:	17 lb. to 28 lb. Bond (64 to 105 g/m^2)

Platen Acceptable Originals
Sheet, Book, 3-Dimensional Objects

Network TWAIN Scan
Standard

Network Scan Utility
ScanGear MF

Scan Resolution (dpi)
Up to 600 x 600

Scan Speed (LTR)

300 dpi Simplex:	Up to 38ipm (BW)/ 13ipm (Colour)
Duplex:	Up to 70ipm (BW)/ 26ipm (Colour)
600 dpi Simplex:	Up to 21 ipm (BW)
Duplex:	Up to 35 ipm (BW)

Send Specifications

Destination
E-mail/Internet FAX (SMTP), SMB, FTP

Colour Mode
Colour, BW

Scan Resolution (dpi)
600 dpi, 300 dpi (CL/BW)

Address Book
LDAP (50)/Local (300)/Speed Dial (281)

Communication Protocol

File:	FTP (TCP/IP), SMB (TCP/IP)
Email:	SMTP, POP3

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 (1643iF Only)

Maximum Number of Connection Lines
One

Modem Speed
Super G3:   33.6 Kbps
G3:   14.4 Kbps

Compression Method
MH, MR, MMR, JBIG

Resolution (dpi)
400 x 400, 200 x 400, 200 x 200, 200 x 100

Sending/Recording Size
Letter, Legal, Statement, Executive

Fax Features
Two-sided Original, Density (for Scanning), Sharpness, TX Report, RX Mode, Resolutions, Favourite Settings

Store Specifications

Memory Media
Standard: USB

Security Specifications

Authentication
Standard: Department ID, Embedded Universal Login Manager, uniFLOW Online Express[4]
Optional: uniFLOW and uniFLOW Online

Network
IP/Mac Address Filtering, IPSEC, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTP

Document
Secure Print, Encrypted PDF, Device Signature

Environmental Specifications

Power Requirements
120-127 V, 60 Hz, 7.1 A

Power Consumption
Maximum: Approx. 1430 W

Sleep Mode: 0.9 W[5]

Typical Electricity Consumption (TEC) Rating[6]

0.40 kWh

Plug (Main Unit)
NEMA 5-15P

Standards
ENERGY STAR® Certified

Paper Supply Options

PAPER FEEDER PF-C1

Paper Capacity:	550 Sheets [20 lb. Bond (80 g/m²)]
Paper Type:	Thin, Plain, Thick, Colour, Recycled, Bond
Paper Size:	LTR, LGL, STMT, EXE Custom Size: 4-1/8" x 5-7/8" to 8-1/2" x 14" (105.0 mm x 148.0mm to 216.0 mm x 355.6 mm)
Paper Weight:	16 lb. Bond to 32 lb. Bond (60 to 120 g/m²)
Power Source:	From the Main Unit
Dimensions (W x D x H):	18-7/8" x 18-1/4" x 33-1/8" (480 mm x 464 mm x 842 mm)[7]
Weight:	8.8 lb. (4 kg)

CABINET TYPE-S

Dimensions (W x D x H):	20-15/16" x 20-9/16" x17" (532 mm x 522 mm x 432 mm)
Weight:	33.07 lb. (15 kg)

Other Options

1643iF/1643i:
USB Keyboard
Universal Keyboard Stand-A1
Card Reader Assembly for Universal Keyboard Stand
ADF Access Handle-A1
Copy Control Interface Kit-C1
Barcode Printing Kit-E1
MiCard Attachment Kit-B1
1643i:
PS Printer Kit-CB1

Consumables

Toner Yield

20,500 Images
(Estimated Yield @ ISO 19752 Coverage)
NOTE: Toner not included in the main unit.

[1] imageRUNNER 1643iF model only.

[2] Time from device power-on until copy ready (not print reservation).

[3] Includes consumables.

[4] No charge for this solution, however activation is required.

[5] 0.9 W Sleep mode not available in all circumstances due to certain settings.

[6] Based on ENERGY STAR Product Specification for Imaging Equipment Version 3.0.

[7] Attached to Main Unit.

NOTE: Check for availability and details for uniFLOW solutions.

WWW.CANON.CA

Works with
Apple AirPrint

CANON GENUINE
TONER, CARTRIDGE & PARTS

ENERGY STAR