

## imageRUNNER 1643 Series

Black-and-White | Compact | User-Friendly

Print up to 45 ppm (BW)

Scan in color 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,<sup>1</sup> and high reliability, the imageRUNNER 1643iF/1643i multifunction devices help you accomplish a lot in a small space. The imageRUNNER 1643P printer model offers fast and reliable printing.



### WORKFLOW EFFICIENCY

Whether you're a small business or part of a workgroup, the imageRUNNER 1643iF/1643i models 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 1643iF/1643i models' 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 technology to verify that the device, firmware, and applications initialize without tampering. TX Archiving automatically forwards a copy of a fax to an administrator-defined destination.<sup>1</sup> And 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 and color to email addresses or networked locations. The 5" intuitive, color touchscreen display<sup>2</sup> 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. Rated EPEAT® Silver,<sup>3</sup> these models follow Canon's stringent Green Procurement policy and environmental commitments.



**imageRUNNER 1643iF**

- 5" Color Touchscreen Display
- Single Pass Duplex Automatic Document Feeder
- Scan/send
- Wireless LAN
- PostScript standard
- Fax and NFC standard



**imageRUNNER 1643i**

- 5" Color Touchscreen Display
- Single Pass Duplex Automatic Document Feeder
- Scan/send
- Wireless LAN
- PostScript optional



**imageRUNNER 1643P**

- 3.5" 5-line LCD Display
- PostScript standard

Note: Supports printer functions only. Copy/Scan/Fax functions are not available on this model.



**CABINET TYPE-S**



**PAPER FEEDER PF-C1\***

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

# SPECIFICATIONS

## Main Unit

**Type**  
1643iF/1643i: Monochrome Laser Multifunctional  
1643P: Monochrome Laser Printer

### Core Functions

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

### Processor

Canon Dual Custom Processor<sup>2</sup> (Shared)

### Operation Panel

1643iF/1643i: 5" TFT LCD WVGA Color Touch Panel  
1643P: 5-Line LCD Panel

### Memory

1.0 GB RAM

### Interface Connection<sup>4</sup>

**Network** **1643iF/1643i:** 1000Base-T/100Base-TX/10-Base-T, Wireless LAN (IEEE 802.11 b/g/n), NFC,<sup>1</sup> Wi-Fi Direct Connection  
**1643P:** 1000Base-T/100Base-TX/10-Base-T

**Others** **1643iF/1643i:** USB 2.0 (Host) x2, USB 2.0 (Device) x1  
**1643P:** USB 2.0 (Host) x3, 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<sup>2</sup>)  
**Bypass:** 16 lb. Bond to 73 lb. Cover (60 to 199 g/m<sup>2</sup>)

### Copy Speed<sup>2</sup>/Print Speed

Up to 45 ppm (Letter);  
Up to 36 ppm (Legal)

### Warm-up Time

**From Power On:** **1643iF/1643i:** 14 Seconds or Less<sup>5</sup>  
**1643P:** 30 Seconds or Less<sup>5</sup>

**From Sleep Mode:** **1643iF/1643i:** 4 Seconds or Less  
**1643P:** 3 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)

1643P: 16-1/8" x 14-13/16" x 10-13/16"  
(409 mm x 376 mm x 275 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)  
1643P: 24-5/16" x 43-7/16" (617 mm x 1104 mm)

### Weight<sup>6</sup>

1643iF/1643i: Approx. 41.9 lb. (19 kg)  
1643P: Approx. 25.3 lb. (11.5 kg)

## Print Specifications

### First-Print-Out Time (LTR)

Approx. 5.7 Seconds

### Print Resolution (dpi)

600 x 600

### Standard Page Description Languages

UFR II LT, PCL<sup>®</sup>5e/6, Adobe<sup>®</sup> PS<sup>®</sup> 3 (Standard on 1643iF/1643P, 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

1643iF: 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<sup>®</sup> (OS X 10.6 and later => 10.9 ~ 10/14) Linux (Web Distribution)

## Copy Specifications (1643iF/1643i Only)

### 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 (1643iF/1643i Only)

### Type

Single Pass 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<sup>2</sup>)  
**Duplex:** 17 lb. to 28 lb. Bond (64 to 105 g/m<sup>2</sup>)

### 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 (Color)

**Duplex:** Up to 70ipm (BW)/26 (Color)

#### 600 dpi

**Simplex:** Up to 21 ipm (BW)

**Duplex:** Up to 35 ipm (BW)

## Send Specifications (1643iF/1643i Only)

### Destination

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

### Color Mode

Color, 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, Favorite Settings

## Store Specifications

### Memory Media

**Standard:** USB

## Security Specifications

### Authentication

**Standard:** **1643iF/1643i:** Department ID, Embedded Universal Login Manager, uniFLOW Online Express<sup>7</sup>  
**1643P:** Department ID

**Optional:** **1643iF/1643i/1643P:** uniFLOW and uniFLOW Online

### Network

**Standard:** **1643iF/1643i:** IP/Mac Address Filtering, IPSEC, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP Authentication, POP Authentication before SMTP  
**1643P:** IP/Mac Address Filtering, IPSEC, TLS Encrypted Communication, SNMP V3.0, IEEE 802.1X, IPv6

### Document

**Standard:** **1643iF/1643i:** Secure Print, Encrypted PDF, Device Signature  
**1643P:** Secure Print

## Environmental Specifications

### Power Requirements

120-127 V, 60 Hz, 7.1 A

### Power Consumption

Maximum: **1643iF/1643i**: Approx. 1430W

**1643P**: Approx. 1370W

Sleep Mode: **1643iF/1643i**: 0.9 W<sup>8</sup>

**1643P**: 1.9 W<sup>9</sup>

Typical Electricity Consumption (TEC) Rating<sup>10</sup>

**1643iF/1643i**: 0.40 kWh

**1643P**: 0.50 kWh

### Plug (Main Unit)

NEMA 5-15P

### Standards

ENERGY STAR® Certified

Rated EPEAT® Silver

## Paper Supply Options

### PAPER FEEDER PF-C1

Paper

Capacity: 550 Sheets [20 lb. Bond (80 g/m<sup>2</sup>)]

Paper Type: Thin, Plain, Thick, Color, 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 148.0 mm to 216.0 mm x 355.6 mm)

Paper Weight: 16 lb. Bond to 32 lb. Bond (60 to 120 g/m<sup>2</sup>)

Power Source: From the Main Unit

Dimensions: 18-7/8" x 18-1/4" x 33-1/8"

(W x D x H): (480 mm x 464 mm x 842 mm)<sup>11</sup>

Weight: 8.8 lb. (4 kg)

### CABINET TYPE-S

Dimensions: 20-15/16" x 20-9/16" x 17"

(W x D x H): (532 mm x 522 mm x 432 mm)

Weight: 33.07 lb. (15 kg)

## Other Options

### 1643iF/1643i/1643P:

USB Keyboard

Universal Keyboard Stand-A1

Card Reader Assembly for Universal Keyboard Stand

Convenience Stapler-A1

### 1643iF/1643i:

ADF Access Handle-A1

Copy Control Interface Kit-C1

Barcode Printing Kit-E1

MiCard Attachment Kit-B1

### 1643i:

PS Printer Kit-CB1

### 1643P:

Barcode Printing Kit-F1

SD card-C1

PCL Font Set-C1

SX-BR-4600WAN

## Consumables

### Toner Yield

20,500 Images

(Estimated Yield @ ISO 19752 Coverage)

NOTE: Toner not included in the main unit.

<sup>1</sup> imageRUNNER 1643iF model only.

<sup>2</sup> Applies to imageRUNNER 1643iF/1643i models only.

<sup>3</sup> For current EPEAT rating (Gold/Silver/Bronze), please visit [www.epeat.net](http://www.epeat.net).

<sup>4</sup> imageRUNNER 1643P model does not have direct connection capabilities, and does not come standard with Wi-Fi.

<sup>5</sup> Time from device power-on until copy ready (not print reservation).

<sup>6</sup> Includes consumables.

<sup>7</sup> No charge for this solution, however activation is required.

<sup>8</sup> 0.9 W Sleep mode not available in all circumstances due to certain settings.

<sup>9</sup> 1.9 W Sleep mode not available in all circumstances due to certain settings.

<sup>10</sup> Based on ENERGY STAR Product Specification for Imaging Equipment Version 3.0.

<sup>11</sup> Attached to Main Unit.

NOTE: Check for availability and details for uniFLOW solutions.

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