

imageCLASS X MF1643 II Series

Print up to 45 ppm (BW)

Print up to 8-1/2" x 14"

2,300-sheet maximum paper capacity

Supports uniFLOW and uniFLOW Online

Designed for small- to mid-size workgroups within an office or home environments used as part of an organization's print fleet, the Canon imageCLASS X MF1643 II series balances speedy performance, minimal maintenance, and the ability to expand paper capacity for busy groups. A 5" color touchscreen delivers an intuitive user experience and can be customized by a device administrator to help simplify many daily tasks.



Black-and-white
Compact
Multifunction



WORKFLOW EFFICIENCY

- 5" intuitive color touchscreen with smartphone-like usability.
- A unique, customized device experience with Application Library.
- Supports certain mobile solutions for printing and scanning.¹
- Scan and convert documents to searchable digital files through a single-pass, duplex document feeder.
- Designed for smaller print jobs with first-print-out time as fast as 5.6 seconds.
- Secure scanning directly into Dropbox, Google Drive,[™] Microsoft OneDrive[®]/OneDrive[®] for Business, and Evernote[®] via uniFLOW Online.



SECURITY FEATURES

- Low risk of confidential information loss, as documents are only stored in short-term memory.
- With imageWARE Enterprise Management Console Device Configuration Manager Plug-in, settings can be captured and exported to other devices on the same network.²
- Limit document distribution by implementing Send-to-Myself-only.
- Verify System at Startup is a process to help verify the validity of the device firmware and Application Library from unauthorized modifications.
- Remotely control device access and set rules via optional uniFLOW and uniFLOW Online.³



COST MANAGEMENT

- Leverage optional uniFLOW or uniFLOW Online for full accounting and reporting for Canon and third-party devices, pull printing, and job routing.³
- Service parts are designed for machine's life cycle to help minimize need for proactive maintenance and potentially reduce service calls.
- High-capacity, all-in-one cartridge helps reduce overall supply costs.



DEVICE AND FLEET MANAGEMENT

- Designed for quick, easy deployment.
- Remote diagnostics for rapid service response.
- Easily monitor device status and consumable levels, observe meter readings, manage settings, and implement security settings.



QUALITY AND RELIABILITY

- Canon's signature reliability and engine technologies help keep productivity high and minimize the impact on support resources.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished.
- Intuitive animations for common tasks like consumables replacement.



SUSTAINABILITY

- A combination of fusing technologies and low-melting-point toner helps to minimize power requirements and achieve low-energy consumption.
- Encourage environmentally conscious work practices by enabling settings that can help save paper and energy.
- ENERGY STAR® certified and rated EPEAT® Silver.⁴

KEY FEATURES



MANAGE OUTPUT WITH uniFLOW ONLINE

uniFLOW Online is a cloud-based printing, scanning, and accounting solution that's easy to configure and secure.³ The solution extends the standard functionality of imageRUNNER ADVANCE DX, imagePRESS Lite, and compatible imageCLASS and imageCLASS X models by adding My Print and Scan Anywhere, mobile printing, and more, to support users whether they're in the office or at home.



FLEET MANAGEMENT TOOLS

imageWARE Enterprise Management Console can be used by a device administrator to centrally manage the Canon printer fleet, including consumables, status notifications, meters, and configuration settings. imageWARE Remote allows for the service provider to manage devices proactively, including remote diagnosis and reporting. Local Content Delivery System facilitates remote firmware download at the device level.



FAST, SINGLE-PASS DUPLEX SCANNING

The imageCLASS X MF1643 II series leverages a single-pass document feeder for two-sided scanning at up to 70 images per minute (ipm) in black-and-white or 26 ipm in color. Scanned files can be converted into multiple file formats, including Hi-Compression PDF and Searchable PDF (OCR).



EASY TO USE WITH APPLICATION LIBRARY

Unique to the Canon product line, the Application Library platform allows for one-touch button creation of key functions: Print Template, Standby Slide (screen saver), Scan-to-Preset Destination, ID Card Copy, Consumables Information, Copy (Eco), Copy (Bleed Reduce), Passport Copy, Fax and Store, Name and Scan, Copy (Enhance Text), Cloud Apps, and Language.



CLOUD SCAN AND PRINT⁵

Application Library's Cloud App feature supports cloud storage directly from the RUI. Print or Scan documents directly to or from DropBox, Google Drive, or OneDrive.

Main Unit

Core Functions

MF1643iF II: Print, Copy, Scan, Send, Fax
MF1643i II: Print, Copy, Scan, Send

Processor

Canon Custom Processor

Control Panel

5" Color Touch Panel

Memory

1 GB

Standard Interface Connection

USB 2.0 x2 (Host), USB 2.0 x1 (Device) High-Speed,
10/100/1000Base-T Ethernet (Network), Wi-Fi
802.11b/g/n, Wi-Fi® Direct Connection

Paper Capacity (Letter, 20 lb. Bond)

Standard: 650 Sheets
Maximum: 2,300 Sheets

Paper Sources (Letter, 20 lb. Bond)

Standard: 550-sheet Paper Cassette, 100-sheet
Multipurpose Tray
Optional (up to three): 550-sheet Paper Cassettes
(Paper Feeder PF-C1)

Paper Output Capacity (Letter, 20 lb. Bond)

Standard: 150 Sheets

Supported Media Types

Cassettes: Thin, Plain, Recycled, Color, Thick, Bond
Stack Bypass: Thin, Plain, Recycled, Color, Thick, Bond,
Label, Envelope)

Supported Media Sizes

Cassettes: Letter, Legal, Statement, Executive
Custom (Min. 4.1" x 5.8" to Max. 8.5" x 14")
Stack Bypass: Letter, Legal, Statement, Executive
Custom (Min. 3" x 5" to Max. 8.5" x 14")

Supported Media Weights

Cassette: 16 lb. Bond to 32 lb. Bond (60 to 120 g/m²)
Multipurpose Tray: 16 lb. Bond to 73 lb. Cover (60 to 199 g/m²)

Warm-up Time

From Power On: 14 Seconds or Less
From Sleep Mode: 4 Seconds or Less

Dimensions (W x D x H)

MF1643iF II: 19-7/16" x 18-5/16" x 17-3/16"
(494 mm x 465 mm x 452 mm)
MF1643i II: 18-7/8" x 15-5/16" x 17-13/16"
(480 mm x 465 mm x 452 mm)

Installation Space (W x D)

MF1643i II: 27-3/8" x 43-1/2" (694 x 1,105 mm)
MF1643iF II: 27-7/8" x 43-1/2" (708 x 1,105 mm)

Weight⁶

Unit: Approx. 41.9 lb. (19.0 kg)

Operating System

Windows® 7/Windows 8.1/Windows 10/Windows Server
2008/Windows Server 2008 R2/Windows Server 2012/
Windows Server 2012 R2/Windows Server 2016/Windows
Server 2019/Mac OS X v10.9 (or later)

Print Specifications

Printing Method

Laser Beam Printing

Print Speed (BW)⁷

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

First-Print-Out Time

Approx. 5.6 Seconds

Recommended Monthly Page Volume

2,000 - 7,500 Pages

Print Resolution (dpi)

Up to 1200 x 1200 (equivalent)

Standard Page Description Languages

UFR II, PCL® 6, PCL® 5, Adobe PostScript 3®⁸

Double-Sided Printing

Automatic (Standard)

Direct Print

Available from USB Memory (JPEG, TIFF, PDF)

Printing from Mobile and Cloud-based Services¹

Apple® AirPrint®, Canon PRINT, Mopria™ Print Service,
uniFLOW Secure Mobile Printing³

Fonts

PCL: 93 Fonts
PS: 136 Fonts

Print Features

Secure Print, Page Border, Header/Footer, Page Layout,
Two-sided Printing, Collating, Booklet Printing, Grouping,
Mixed Paper Sizes/Orientations

Copy Specifications

Copy Speed

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

First-Copy-Out Time (Letter)

Approx. 6.0 Seconds

Copy Resolution (dpi)

600 x 600

Copy Size

Platen and ADF: Up to Legal

Multiple Copies

Up to 999 Copies

Magnification

25% - 400% (1% Increments)

Preset Reductions

25%, 50%, 64%, 78%

Preset Enlargements

129%, 200%, 400%

Copy Features

Preset R/E Ratios by Area, Two-sided, Density
Adjustment, Original Type Selection, Two-sided Original,
Sort, N on 1, Different-size Originals, Sharpness, Erase
Frame, Copy ID Card, Copy Passport

Scan Specifications

Type

Single-Pass Duplexing Automatic Document Feeder

Document Feeder Paper Capacity

50 Sheets (20 lb. Bond)

Document Feeder Supported Media Sizes

Legal, Letter, Statement, Custom size: 4-1/8" x 5"
to 8-1/2" x 14"

Document Feeder Supported Media Weights

Single- and Double-sided scanning: 14 - 28 lb. Bond
(50 - 105 g/m²)

Platen Acceptable Originals

Sheet, Book, 3-Dimensional Objects

Pull Scan

ScanGear MF For both TWAIN and WIA

Scan Resolution (dpi)

Up to 600 x 600

Scan-to-Mobile Devices

Canon PRINT

Scan Speed (Letter)

300 dpi

Simplex: Up to 38 ipm (BW)/13 ipm (Color)
Duplex: Up to 70 ipm (BW)/26 (Color)

600 dpi

Simplex: Up to 21 ipm (BW)
Duplex: Up to 35 ipm (BW)

Memory Media

Standard USB Memory (JPEG, TIFF, PDF)

Send Specifications

Destination

Email/Internet FAX (SMTP), SMB, FTP

Address Book

LDAP (50)/Local (300)/Speed dial (281)

Send Resolution (dpi)

600 x 600 (Pull Scan), 196 x 204 (iFax), 300 x 300 (Other)

Communication Protocol

File: FTP, SMB
Email/iFax: SMTP, POP3, iFax (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,
Email Priority, TX Report, Original Content Orientation

Fax Specifications (MF1643iF II Only)

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

Statement to Legal

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

Security Specifications

Authentication

Standard: Department ID Authentication,
Embedded Universal Login Manager
Optional: uniFLOW, uniFLOW Online³

Network

Standard: IP/Mac Address Filtering, IPSEC,
TLS 1.3, SNMP V3.0, IEEE 802.1X, IPv6,
SMTP Authentication, POP Authentication
before SMTP

Document

Standard: Secure Print, Encrypted PDF,
Device Signature
Optional: uniFLOW Secure Print⁸

Device

Standard Storage Initialize, Job Log Conceal
Function, Protecting MFP Software Integrity,
Verify System at Startup

Device Management and Auditing

Administrator Password, Digital Certificate
and Key Management, Security Policy Setting

Environmental Specifications

Operating Environment

Temperature: 50 to 86 °F
Humidity: 20 to 80% RH (no condensation)

Power Requirements

AC 110 - 127 V, 7.1 A, 60 Hz

Power Consumption

Maximum: Approx. 1440 W
Standby: Approx. 17 W
Sleep Mode: Approx. 0.9 W
Typical: 1.3 kWh
Electricity Consumption
(TEC) Rating:

Standards

ENERGY STAR® Certified
Rated EPEAT® Silver⁴



Accessories

Card Readers¹⁰

MiCard Readers¹¹

Proximity card reader designed to be used with uniFLOW for card authentication.

Copy Card Reader-F1

Department ID authentication with Canon magnetic stripe cards.

Print Accessories

Barcode Print Kit-E1

Installs barcode fonts for barcode printing.

Send PDF Security Kit-E1

Send encrypted PDFs and add digital device signatures.

Control Interface Kit-C1

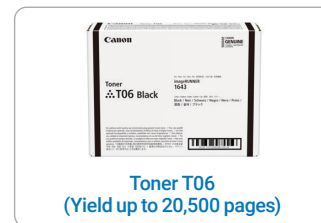
Connects third-party card reader or coin operator system to device.

Extended Service Packs

Canon eCarePAK

Canon Extended Service Plans offer coverage beyond the standard one-year warranty¹² up to four years.

GENUINE CONSUMABLES



Use of Canon GENUINE toner cartridges helps provide longer equipment life, high yields, reliable performance, high-quality output, and minimal jamming or issues.

¹ Canon PRINT is a free app available on the App Store® and Google Play™ Store. For more information, including compatibility, please visit <https://www.usa.canon.com/mobile-app>. Please see the respective websites for Apple AirPrint and Mopria Print Service for compatibility and additional information.

² Please reference user manuals for details on settings available to export.

³ Requires uniFLOW Online or uniFLOW. uniFLOW is available for education and government customers with prior approval.

⁴ For latest EPEAT ratings (Gold/Silver/Bronze), please visit www.epeat.net.

⁵ Subscription to a third-party cloud service is required, and subject to third-party terms and conditions.

⁶ Includes consumables.

⁷ Print speed is based on internal testing. Print speed may vary, depending on the number of copies selected as well as the settings for size, type, and orientation of paper.

⁸ Standard on MF1643iF II, optional on MF1643i II.

⁹ No charge for this solution, however activation is required.

¹⁰ Attachment kit required.

¹¹ Ask Canon authorized representative for reader compatibility information.

¹² Limited warranty program is subject to certain conditions and restrictions. See warranty card for details.

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