



imageCLASS  
MF449dw

## imageCLASS MF449dw/MF449x

Black and White | Compact | Multifunction

Print up to 40 ppm

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

900-sheet maximum paper capacity

Supports uniFLOW and uniFLOW Online



Designed for small workgroups within an enterprise environment, the Canon imageCLASS MF449dw/MF449x balances speedy performance, minimal maintenance, and the ability to add an extra paper tray 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.



### WORKFLOW EFFICIENCY

- 5" intuitive, color touchscreen with smartphone-like usability.
- A unique, customized device experience with Application Library.
- Supports mobile solutions for printing and scanning.<sup>1</sup>
- Scan and convert documents to searchable digital files through a single-pass, duplex document feeder.
- Designed for small print jobs with first-print-out time as fast as 5.3 seconds.



### SECURITY

- 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.<sup>2</sup>
- Remotely control device access and set rules via optional uniFLOW or uniFLOW Online.
- 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.



### COST MANAGEMENT

- Leverage optional uniFLOW or uniFLOW Online for full accounting and reporting for Canon and third-party devices, pull printing, and job routing.
- 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

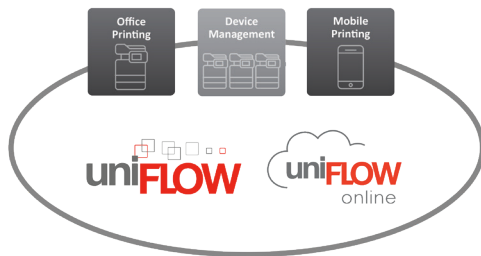
- Canon's signature reliability and engine technologies keep productivity high and minimize the impact on support resources.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished.
- Intuitive maintenance videos for common tasks like consumables replacement.



## SUSTAINABILITY

- A combination of fusing technologies and low-melting-point toner minimizes power requirements and helps achieve low-energy consumption.
- Encourage environmentally conscious work practices by providing settings that can help save paper and energy.
- ENERGY STAR® certified and currently rated EPEAT® Silver.<sup>3</sup>

### KEY FEATURES



## MANAGE OUTPUT WITH uniFLOW

The optional uniFLOW portfolio offers an on-premise or cloud solution that imageCLASS devices can utilize with flexible authentication. With either card-based or PIN code-based authentication, imageCLASS devices can secure output management, track costs with reporting, and operate mobile printing.



## 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 MF449dw/MF449x leverages a single-pass document feeder for two-sided scanning at up to 70 images per minute (ipm) in black and white or up to 26 ipm in color. Scanned files can be converted into multiple file formats, including Hi-Compression PDF and Searchable PDF (OCR).



Single-Pass 2-Sided Scan



## 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), and Language.



APPLICATION LIBRARY

## SPECIFICATIONS

### Main Unit

#### Core Functions

Standard: Print, Copy, Scan, Send, Fax

#### Item Code

3514C002 (120V) ; 3514C009 (230V)

#### 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: 350 Sheets  
Maximum: 900 Sheets

#### Paper Sources (Letter, 20 lb. Bond)

Standard: 250-sheet Paper Cassette, 100-sheet  
Multipurpose Tray  
Optional: 550-sheet Paper Cassettes  
(Cassette Unit-AH1)

#### Paper Output Capacity (Letter, 20 lb. Bond)

Standard: 65 Sheets

#### Supported Media Types

Cassettes: Thin, Plain, Recycled, Thick, Bond

Multipurpose Thin, Plain, Recycled, Thick, Bond,  
Tray: Label, Envelope (10 Envelopes)

#### Supported Media Sizes

Cassettes: Letter, Legal, Statement, Executive  
Custom (Min. 4.1" x 5.8" to Max. 8.5" x 14")  
Multipurpose Letter, Legal, Statement, Executive  
Tray: Envelope: COM10, Monarch, C5, DL  
Custom (Min. 3" x 5" to Max. 8.5" x 14")

#### Supported Media Weights

Cassettes: 16 lb. Bond to 32 lb. Bond (60 to 120 g/m<sup>2</sup>)  
Multipurpose 16 lb. Bond to 43 lb. Bond (60 to 163 g/m<sup>2</sup>)  
Tray:

#### Warm-up Time

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

#### Dimensions (W x D x H)

Standard: 17.9" x 18.3" x 15.5"  
(Desktop): (453 mm x 464 mm x 392 mm)

#### Installation Space (W x D x H)

Standard: 17.9" x 34.8" x 26.2"  
(Desktop): (553 mm x 983 mm x 664 mm)  
Fully Configured: 17.9" x 34.8" x 31.3"  
(453 mm x 883 mm x 795 mm)

#### Weight<sup>4</sup>

Unit: Approx. 35.8 lb. (16.2 kg)  
Boxed Weight: Approx. 45.9 lb. (20.8 kg)

#### Operating System

UFR II/PCL/PS: Windows® 7/Windows 8.1/Windows  
10/Windows Server 2008/Windows Server 2008 R2/  
Windows Server 2012/Windows Server 2012 R2/Windows  
Server 2016/Mac OS X v10.8.5 (or later)

### Print Specifications

#### Printing Method

Laser Beam Printing

#### Print Speed<sup>5</sup>

Up to 40 ppm (Letter); Up to 32 ppm (Legal)

#### First-Print-Out Time

Approx. 5.3 Seconds

#### Recommended Monthly Page Volume

750 - 4,000 Pages

#### Print Resolution (dpi)

600 x 600

#### Standard Page Description Languages

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

#### Double-Sided Printing

Automatic (Standard)

#### Direct Print

Available from USB Memory (JPEG, TIFF, PDF)

#### Printing from Mobile and Cloud-based Services<sup>6</sup>

Apple® AirPrint®, Canon PRINT Business, Mopria™ Print  
Service, Google Cloud Print™, uniFLOW Secure Mobile  
Printing

#### 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 40 ppm (Letter); Up to 32 ppm (Legal)

#### First-Copy-Out Time (Letter)

Approx. 6.2 Seconds

#### Copy Resolution (dpi)

600 x 600

#### Copy Size

Platen: Up to Letter  
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

Paper Setting, Favorite Settings, Two-sided, Original Type  
Selection, Cancel, N-on-1, Density Adjustment, Sharpness,  
Erase Frame, Collate, Copy ID Card

### 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

#### Document Feeder Supported Media Weights

Single and Double-sided scanning: 13-28 lb. Bond  
(50-105 g/m<sup>2</sup>)

#### Platen Acceptable Originals

Sheet, Book

#### Pull Scan

ScanGear MF for TWAIN, WIA, and ICA

#### Scan Resolution (dpi)

300 x 600, 600 x 600

#### Scan-to-Mobile Devices

Canon PRINT Business

#### Scan Speed (Letter)

Single-sided: 13/38 ipm (300 x 300 dpi) (Color/BW)  
Double-sided: 26/70 ipm (300 x 300 dpi) (Color/BW)

#### Memory Media

Standard USB Memory (JPEG, TIFF, PDF)

### Send Specifications

#### Destination

Email/Internet FAX (SMTP), SMB, FTP, Super G3 FAX

#### 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)  
Optional: PDF (Encrypted, Digital Signature)

### Fax Specifications

#### 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 Dials

#### Group Dials/Destinations

Max. 299 Dials

#### Sequential Broadcast

Max. 310 Addresses

#### Memory Backup

Yes

#### Fax Features

RX Mode, Resolution, Two-sided Original, Density,  
Sharpness, Favorite Settings, Duplex Fax

### Security Specifications

#### Authentication

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

#### Data

Standard: Verify System at Startup

#### 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, High Compression PDF,  
Searchable PDF  
Optional: Encrypted PDF, User and Device Signatures

#### Wi-Fi Authentication Methods

#### Wi-Fi

Infrastructure WEP 64/128 bit, WPA-PSK (TKIP/AES),  
Mode: WPA2-PSK (AES)

#### Wi-Fi Access

Point: WPA2-PSK (AES)

### Environmental Specifications

#### Operating Environment

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

#### Power Requirements

AC 120-127 V: 6.5 A, 60 Hz

#### Power Consumption

Maximum: Approx. 1330 W  
Standby: Approx. 10 W  
Sleep Mode: Approx. 0.9 W  
Typical 0.34 kWh

#### Electricity

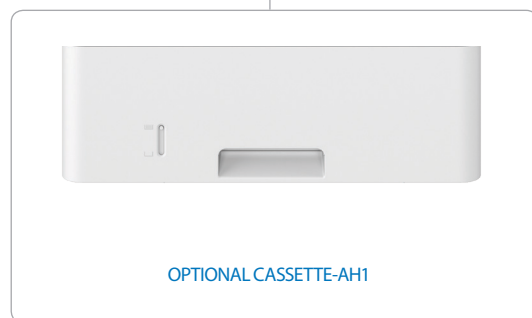
#### Consumption

(TEC) Rating:

#### Standards

ENERGY STAR® Qualified, Rated EPEAT Silver<sup>3</sup>

## CONFIGURATION AND ACCESSORIES



### Accessories

#### Card Readers\*

MiCard Readers\*\*  
Proximity card reader designed to be used with uniFLOW for card authentication

Copy Card Reader-F1  
Department ID authentication with Canon magnetic stripe cards

\* Attachment kit required.

\*\* Ask Dealer for reader compatibility information.

#### Print Accessories

Barcode Print Kit-E1  
Installs bar code fonts for bar code 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

### GENUINE® CONSUMABLES

Always look for the Canon anti-counterfeiting hologram on your GENUINE Canon product packaging.



Hi-Yield Cartridge-057H  
(Yield up to 10,000 pages)

Cartridge 057 Black Item No. 3009C001 Yields 3,100 pages

Cartridge 057H Black Item No. 3010C001 Yields 10,000 pages

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

(Cartridge yielding 3,100 pages is included in the box).

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

<sup>2</sup> Please reference user manuals for details on settings available to export.

<sup>3</sup> For latest EPEAT ratings (Gold/Silver/Bronze), please visit <https://www.cla.canon.com/cla/en/epeat>.

<sup>4</sup> Includes consumables.

<sup>5</sup> 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.

<sup>6</sup> Subscription to a third-party cloud service required. Subject to third-party cloud service providers' terms and conditions.

NOTE: Check for availability and details for uniFLOW solutions.

[WWW.CLA.CANON.COM/MF\\_LáserenByN](http://WWW.CLA.CANON.COM/MF_LáserenByN)

# Canon

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