



CANON SOLUTIONS AMERICA

imageCLASS
MF449dw

imageCLASS MF449dw

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 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.¹
- 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.²
- 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.



CANON SEE IMPOSSIBLE



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

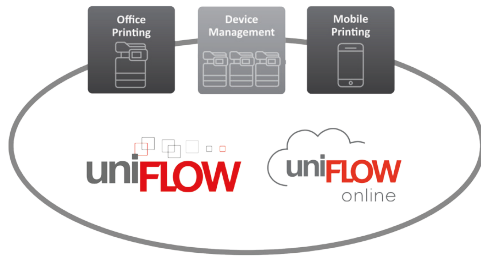
- Canon's signature reliability and engine technologies help keep productivity high and help minimize the impact on support resources.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished.
- Intuitive maintenance videos for common tasks like consumables replacement.



SUSTAINABILITY

- A combination of fusing technologies and low-melting-point toner helps minimize 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.³

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 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

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 Tray: Thin, Plain, Recycled, Thick, Bond, 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 Tray: Letter, Legal, Statement, Executive 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/m²)
Multipurpose Tray: 16 lb. Bond to 43 lb. Bond (60 to 163 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)

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

Installation Space (W x D x H)

Standard (Desktop): 17.9" x 34.8" x 26.2"
(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)

Weight⁴

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 Speed⁵

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, PCL⁶, PCL⁵, Adobe PostScript 3[®]

Double-Sided Printing

Automatic (Standard)

Direct Print

Available from USB Memory (JPEG, TIFF, PDF)

Printing from Mobile and Cloud-based Services⁶

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/m²)

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

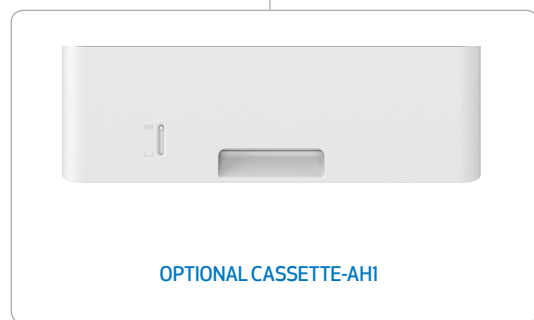
Power Consumption

Maximum: Approx. 1330 W
Standby: Approx. 10 W
Sleep Mode: Approx. 0.9 W
Typical Electricity Consumption (TEC) Rating: 1.1 kWh

Standards

ENERGY STAR® Qualified, Rated EPEAT Silver³

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 Canon Solutions America Sales Representative 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.



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.

¹ Canon PRINT Business is a free app available on the App Store® and Google Play™ Store. For more information, including compatibility, please visit 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 For latest EPEAT ratings (Gold/Silver/Bronze), please visit www.epeat.net.

⁴ Includes consumables.

⁵ 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.

⁶ 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.

For more information, call or visit
1.800.815.4000 CSA.CANON.COM

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