

## Quiet and dependable with high productivity

The imageRUNNER ADVANCE DX 6800i series delivers productivity while keeping operating noise levels low. With high speed scanning, versatile finishing options and various security features, the series is a perfect addition to the modern office environment.



### WORKFLOW EFFICIENCY

- Intuitive touchscreen provides users with smartphone-like usability, making navigation a breeze.
- Industry leading Single-Pass document feeder allows up to 270 ipm scanning, supports paper skew prevention and comes with advanced anti-dust/streak measures.
- Canon's MEAP platform provides process optimisation, by integrating with a range of powerful document, capture and output management solutions.
- Scalable support for mobile where users can connect directly to the device with Direct Access Point. Capture, scan or print documents easily with the Canon Print Business app.
- Supports scanning and converting documents to Searchable PDF, Microsoft® Word, and Microsoft® PowerPoint files.
- Intelligent features, such as motion sensor technology to wake the device from sleep mode and the ability to remove blank pages when scanning, help maximise productivity.

### COST MANAGEMENT

- The ability to apply print policies, monitor output, and restrict usage by user helps reduce unnecessary printing, resulting in lower total document cost.
- Seamless integration with output management solutions, such as uniFLOW or uniFLOW Online Express for detailed tracking, reporting, and cost analysis.
- Quality and reliability, combined with remote diagnostics and assistance, can help reduce costs by minimising downtime and time spent by IT.
- Consistent user operation combined with remote and centralised fleet management can help simplify IT management of devices and entire fleets.

## QUALITY AND RELIABILITY

- Canon's signature reliability and engine technologies provide high quality output to meet the needs of busy departments.
- State-of-the-art imaging technologies and toner allow for consistently striking images in rich black-and-white tones.
- Designed to achieve maximum uptime with status notifications to help keep supplies replenished.
- Ease administrative burdens and increase uptime with eMaintenance. Automate your fleet maintenance task, improve consumables management and gain better control of networked devices.
- Standard PCL support integration with enterprise applications and legacy systems to help streamline business processes.

## SUSTAINABILITY

- Fusing technologies and innovative sleep mode features help lower overall energy consumption.
- Minimise paper wastage by holding jobs at the device with Force Hold Print. Choose to preview your print jobs or even change print settings at the device to achieve the desired results at the first time of printing.

## SECURITY

- Control who has access to the device with different authentication methods such as picture login, department ID, user authentication, and card access.
- Ensure information privacy and security across your network with IPsec, port filtering capabilities, and SSL technology.
- System verification at startup and McAfee® Embedded Control ensures device security, protecting against malware and tampering of firmware.
- Integrate with third-party solutions for complete monitoring protection.

# MACHINE SPECIFICATION

## MAIN UNIT

### Machine Type

A3 Monochrome Laser Multifunctional

### Core Functions

Print, Copy, Scan, Send, Store and Optional Fax

### Processor

Canon Dual Custom Processor (Shared)

### Control Panel

Standard : 10.1" TFT LCD WSVGA Colour Touch Panel

### Memory

RAM: Main CPU : 2GB  
Image Processing CPU : 2GB + 1GB

### Storage

Standard : (SSD) 256GB  
Optional : (SSD) 1TB

### Interface Connection

#### Network

Standard: 1000Base-T/100Base-TX/10Base-T,  
Wireless LAN (IEEE 802.11 b/g/n)

Optional: Bluetooth Low Energy

#### Others

Standard: USB 2.0 x1 (Host), USB 3.0 x1 (Host),  
USB 2.0 x1 (Device)

Optional: Serial Interface, Copy Control Interface

### Paper Supply Capacity (A4, 80gsm)

Standard: 1,200 sheets  
1 x 100-sheet multi-purpose tray  
2 x 550-sheet cassettes

Maximum: 6,350 sheets (with High Capacity Cassette  
Feeding Unit-C1 + Paper Deck Unit-F1)

### Paper Output (A4, 80gsm)

Standard: 250 Sheets  
Maximum: 3,450 Sheets (with Staple Finisher-AB2 or  
Fold & Book Finisher-A1 and 3rd Copy Tray Kit-A1)

### Finishing Capabilities\*

Standard : Collate, Group  
With Options: Collate, Group, Offset, Staple, Saddle  
Stitch, Hole Punch, Eco Staple, Staple-On-Demand,  
V-Fold, C-Fold, Z-Fold

\*Finishing capabilities vary depending on the options connected.

### Supported Media Types

#### Multi-purpose Tray:

Thin, Plain, Recycled, Colour, Heavy, Coated, Tracing,  
Bond, Transparency, Label, Pre-punched, Letterhead,  
Tab, Envelope

#### Paper Cassette (Upper/Lower):

Thin, Plain, Recycled, Colour, Heavy, Bond, Transparency,  
Pre-punched, Letterhead, Envelope\*

\*Envelope Feeder Attachment (standard) is required.

### Supported Media Sizes

#### Multi-purpose Tray:

Standard size: SRA3, A3, A4, A4R, A5, A5R, A6R, B4, B5,  
B5R  
Custom Size : 98.0 x 139.7 mm to 320.0 x 457.2 mm  
Free size : 98.0 x 139.7 mm to 320.0 x 457.2 mm  
Envelopes : COM10 No.10, Monarch, DL, ISO-C5  
Envelope custom size: 98.0 x 90.0 mm to  
320.0 x 457.2 mm

#### Upper Cassette:

Standard size: A4, A5, A5R, A6R, B5  
Custom Size : 98.0 x 148.0 mm to 297.0 x 215.9 mm  
Envelopes : COM10 No.10, Monarch, DL, ISO-C5

#### Lower Cassette:

Standard size: A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R  
Custom Size : 98.0 x 148.0 mm to 304.8 x 457.2 mm  
Envelopes : COM10 No.10, Monarch, DL, ISO-C5

### Supported Media Weights

Multi-purpose tray : 52 to 300 gsm  
Paper Cassettes (Upper/Lower) : 52 to 256 gsm  
Duplex : 52 to 256 gsm

### Warm-up Time (Quick start mode:ON)

Quick Startup Mode : 4 Seconds or Less\*1  
From Sleep Mode : 7 Seconds or Less (iR-ADV DX 6870i)  
6 Seconds or Less (iR-ADV DX 6860i)  
6 Seconds or Less (iR-ADV DX 6855i)  
From Power On : 6 Seconds or Less\*2

\*1 Time from device power on to when the copy icon appears and is  
enabled to operate on the touch panel display

\*2 Time from device power-on, until copy ready (not print reservation)

### Dimensions (W x D x H)

620 x 722 x 937 mm

### Installation Space (W x D)

Basic: 1,138 x 1,162 mm (Right Cover Open with Multi-  
purpose tray extended + Cassette Drawers Open)  
Fully configured: 1,866 x 1,162 mm (Staple Finisher-AB2/  
Fold & Book Finisher-A1 with the extension tray extended  
+ Paper Deck Unit-F1 + Cassette Drawers open)

### Weight\*

iR-ADV DX 6870i: Approx. 96 kg  
iR-ADV DX 6860i: Approx. 94 kg  
iR-ADV DX 6855i: Approx. 94 kg

\* Including toner

## Printing Specifications

### Print Speed

iR-ADV DX 6870i : up to 70 ppm (A4, A5\*, A5R, A6R\*),  
up to 36 ppm (A3), up to 42 ppm (A4R)

iR-ADV DX 6860i : up to 60 ppm (A4, A5\*, A5R, A6R\*),  
up to 32 ppm (A3), up to 36 ppm (A4R)

iR-ADV DX 6855i : up to 55 ppm (A4, A5\*, A5R, A6R\*),  
up to 29 ppm (A3), up to 36 ppm (A4R)

\* 1-sided only

### Print Resolution (dpi)

1,200 x 1,200

### Page description languages

Standard : UFR II, PCL 6  
Optional : Adobe PostScript 3

### Direct Print

Supported file types: PDF, EPS, TIFF/JPEG, and XPS

### Printing from mobile and cloud

AirPrint, Mopria, Canon PRINT Business, and uniFLOW  
Online

### Fonts

PS fonts: 136 Roman  
PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts,  
Andalé Mono WT J/K/S/T\*1 (Japanese, Korean,  
Simplified and Traditional Chinese),  
Barcode fonts\*2

\*1 Requires optional PCL INTERNATIONAL FONT SET-A1

\*2 Requires optional BARCODE PRINTING KIT-D1

### Operating System

UFR II : Windows® 8.1/10/11/Server2012/Server2012 R2/  
Server2016/Server2019/Server2022, Mac OS X  
(10.11 or later)

PCL : Windows® 8.1/10/11/Server2012/Server2012 R2/  
Server2016/Server2019/Server2022

PS : Windows® 8.1/10/11/Server2012/Server2012 R2/  
Server2016/Server2019/Server2022, Mac OS X  
(10.11 or later)

PPD : Windows® 8.1/10/11, Mac OS X(10.11 or later)

As of Jan. 2022

## Copy Specifications

### Copy Speed

iR-ADV DX 6870i : up to 70 ppm (A4, A5\*, A5R, A6R\*),  
up to 36 ppm (A3), up to 42 ppm (A4R)

iR-ADV DX 6860i : up to 60 ppm (A4, A5\*, A5R, A6R\*),  
up to 32 ppm (A3), up to 36 ppm (A4R)

iR-ADV DX 6855i : up to 55 ppm (A4, A5\*, A5R, A6R\*),  
up to 29 ppm (A3), up to 36 ppm (A4R)

\* 1-sided only

### First-Copy-Out Time (A4)

iR-ADV DX 6870i: Approx. 2.7 seconds or less  
iR-ADV DX 6860i: Approx. 2.9 seconds or less  
iR-ADV DX 6855i: Approx. 2.9 seconds or less

### Copy Resolution (dpi)

600 x 600

### Multiple Copies

Up to 9,999 copies

### Copy Density

Automatic or Manual (9 Levels)

### Magnification

Variable zoom: 25% - 400% (1% Increments)

Preset reduction/enlargement: 25%, 50%, 61%, 70%, 81%,  
86%, 100% (1:1), 115%, 122%, 141%, 200%, 400%

## Scan Specifications

### Type

Single-pass Duplexing Automatic Document Feeder  
[2-sided to 2-sided (Automatic)]

\* Detect Feeder Multi Sheet Feed is supported.

**Document Feeder Paper Capacity (80gsm)**  
up to 200 sheets

### Acceptable Originals and Weights

Platen: Sheet, Book, and 3-Dimensional Objects

Document Feeder media weight:  
1-sided scanning : 38 to 220 gsm  
2-sided scanning : 38 to 220 gsm

\*An acceptable weights of A6R or smaller is 50 to 220gsm.

### Supported Media Sizes

Platen: max. scanning size: up to 297.0 x 431.8 mm  
Document Feeder media size:  
A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R, B6R,  
Custom size: 70.0 x 139.7 mm to 304.8 x 431.8 mm

### Scan Speed (ipm: BW/CL; A4)

1-sided Scanning : 135/135 (300 x 300 dpi, send),  
80/80 (600 x 600 dpi, copy)  
2-sided Scanning : 270/270 (300 x 300 dpi, send),  
160/90 (600 x 600 dpi, copy)

### Scan Resolution (dpi)

Scan for Copy : 600 x 600  
Scan for Send : (Push) 600 x 600 (SMB/FTP/WebDAV/  
iFAX), (Pull) 600 x 600  
Scan for Fax : 600 x 600

### Pull Scan Spec

Colour Network ScanGear2. For both TWAIN and WIA  
Supported OS: Windows® 8.1/10/11/Server2012/Server2012  
R2/Server 2016/Server 2019/Server 2022

## Send Specifications

### Destination

Standard: E-mail/Internet FAX (SMTP), SMB3.0, FTP,  
WebDAV, Mail Box  
Optional: Super G3 FAX, IP Fax

### Address Book

LDAP (2,000)/Local (1,600)/One-touch (200)

### Send Resolution (dpi)

Push : up to 600 x 600  
Pull : up to 600 x 600

### Communication Protocol

File : FTP (TCP/IP), SMB3.0 (TCP/IP), WebDAV  
E-mail/i-Fax : SMTP, POP3

### File Format

Standard : TIFF, JPEG, PDF (Compact, Searchable,  
Apply policy, Optimize for Web, PDF/A-1b,  
Trace & Smooth, Encrypted, Device Signature,  
User Signature), XPS (Compact, Searchable,  
Device Signature, User Signature), Office Open  
XML (PowerPoint, Word)

## Fax Specifications

**Maximum Number of Connection Lines** 4

**Modem Speed** Super G3 : 33.6 kbps  
G3 : 14.4 kbps

**Compression Method** MH, MR, MMR, JBIG

**Resolution (dpi):** 400 x 400 (Ultra Fine),  
200 x 400 (Super Fine),  
200 x 200 (Fine),  
200 x 100 (Normal)

### Sending/Receiving Size

Sending : A3, A4, A4R, A5\*, A5R\*, B4, B5\*, B5R\*  
Receiving : A3, A4, A4R, A5R, B4, B5, B5R

\*1 Sent as A4 \*2 Sent as B4 short

**FAX Memory** Up to 30,000 pages (2,000 jobs)

**Speed Dials** Max. 200

**Group Dials/Destinations** Max. 199 dials

**Sequential Broadcast** Max. 256 addresses

**Memory Backup** Yes

## Store Specifications

**Mail Box (Number supported)**

100 User Inboxes, 1 Memory RX Inbox,  
50 Confidential Fax Inboxes

Maximum 30,000 Pages (2,000 jobs) Stored

### Advanced Box

Communication Protocol: SMB or WebDAV

Supported Client PC: Windows® 8.1/10

Concurrent Connections (Max.): SMB: 64, WebDAV: 3

Advanced Box available disc space

Approx.16GB (with option: max. 480GB)

## Security Specifications

### Authentication and Access Control

**User Authentication** (Picture Login, Picture and  
PIN Login, Card Login, Username and Password Login,  
Function Level Login, Mobile Login)

**Department ID Authentication** (Department ID and PIN  
Login, Function Level Login)

**uniFLOW Online Express** (PIN Login, Picture Login, Picture  
and PIN Login, Card Login, Card and PIN Login, Username  
and Password Login, Department ID and PIN Login,  
Function Level Login)

**Access Management System** (Access Control)

### Document Security

**Print Security** (Secure Print, Encrypted Secure Print, Forced  
Hold Printing, uniFLOW Secure Print\*)

**Receive Data Security** (Confidential Fax Inbox Forwarding  
Received Documents Automatically)

**Scan Security** (Encrypted PDF, Device Signature PDF/  
XPS, User Signature PDF/XPS, Adobe LiveCycle® Rights  
Management ES2.5 Integration), BOX Security (Mail Box  
Password Protected, Advanced Box Access Control)

**Send Data Security** (Setting for requesting password  
input per transmission, Restricted E-mail/File send  
functions, Confirming FAX number, Allow/Restrict Fax  
Driver Transmissions, Allow/Restrict Sending from History,  
S/MIME Support)

**Document Tracking** (Secure Watermark)

\*1 Requires uniFLOW Online/uniFLOW

### Network Security

TLS 1.3, IPsec, IEEE802.1X authentication, SNMP V3.0,  
Firewall Functionality (IP/MAC Address Filtering), WPA3  
support (Wi-Fi), Dual Network Support (Wired LAN/  
Wireless LAN, Wired LAN/Wired LAN), Disabling Unused  
Functions (Enabling/Disabling Protocols/Applications,  
Enabling/Disabling Remote UI, Enabling/Disabling  
USB Interface), G3 FAX separation from LAN, USB Port  
separation from LAN, Prohibit the execution of files stored  
in Advanced Box in the MFP, Scan and Send -Virus Concerns  
for E-mail Reception

### Device Security

Protecting SSD Data [SSD Data Encryption (FIPS140-  
2 Validated), SSD Lock], Standard SSD Initialize, Trusted  
Platform Module (TPM), Job Log Conceal Function,  
Protecting MFD Software Integrity, Checking MFD Software  
Integrity (Verify System at Startup, Runtime Intrusion  
Detection), Common Criteria Certification (HCD-PP)  
(available at a later schedule)

### Device Management and Auditing

Administrator Password, Digital Certificate And Key  
Management, Audit Log, Cooperating with External  
Security Audit System (Security Information and Event  
Management), Image Data Logging, Security Policy Setting

## Environment Specifications

### Operating Environment

Temperature: 10 to 30 °C

Humidity: 20 to 80 % RH (Relative Humidity)

**Power Source** 220-240V, 50/60Hz, 6A

### Power Consumption

Maximum: iR-ADV DX 6870i: Approx. 2,000 W

iR-ADV DX 6860i: Approx. 1,800 W

iR-ADV DX 6855i: Approx. 1,800 W

Standby: Approx. 50.7 W<sup>\*1</sup>

Sleep mode: Approx. 0.8 W<sup>\*2</sup>

\*1 Reference value: measured one unit

\*2 0.8W is not available in all circumstances due to certain settings.

## Consumables

NPG-85 Toner Bk

Toner Yield (Estimated Yield @6% Coverage): 71,500 pages

## Software and Printer Management

### Tracking and reporting

Universal Login Manager (ULM)

uniFLOW Online Express

### Remote Management Tools

iW Management Console

eMaintenance

Content Delivery System

### Scanning Software

Network ScanGear

### Optimisation Tools

Canon Driver Configuration Tool

### Platform

MEAP (Multifunctional Embedded Application Platform)

### Document Publishing

IW DESKTOP

## Paper Supply Options

### CASSETTE FEEDING UNIT-AQ1

Paper Capacity : 2 x 550 sheets (80 gsm)

Paper Type : Thin, Plain, Recycled, Color, Heavy,  
Bond, Transparency, Pre-punched,  
Letterhead

Paper Size : A3, A4, A4R, A5, A5R, A6R, B4, B5, B5R  
Custom size: 98.0 x 148.0 mm to  
304.8 x 457.2 mm

Paper Weight : 52 to 256 gsm  
Dimensions (WxDxH) : 620 x 660 x 251 mm  
(attached to the main unit)

Weight : Approx. 22 kg

### HIGH CAPACITY CASSETTE FEEDING UNIT-C1

Paper Capacity : 2,450 sheets (80 gsm)

Paper Type : Thin, Plain, Recycled, Color, Heavy,  
Bond, Pre-punched, Letterhead

Paper Size : A4  
Paper Weight : 52 to 256 gsm  
Dimensions (WxDxH) : 620 x 660 x 251 mm  
(attached to the main unit)

Weight : Approx. 29 kg

### PAPER DECK UNIT-F1

Paper Capacity : 2,700 sheets (80 gsm)

Paper Type : Thin, Plain, Color, Recycled, Heavy,  
Pre-punched

Paper Size : A4, B5  
Paper Weight : 52 to 256 gsm  
Dimensions (WxDxH) : 344 x 630 x 440 mm  
(attached to the main unit)

Weight : Approx. 31 kg

## Hardware Accessories

### Card Readers

COPY CARD READER-F1

COPY CARD READER ATTACHMENT-B7

IC CARD READER BOX FOR NUMERIC KEYPAD-A1

### Others

TAB FEEDING ATTACHMENT-F1

BUFFER PASS UNIT-P2

UTILITY TRAY-B1

NUMERIC KEYPAD-A2

## Security Options

### Data Security

250GB SSD-A1 (usage with MEMORY MIRRORING KIT-A1)

1TB SSD-A1

MEMORY MIRRORING KIT-A1

## System and Controller Options

### Print Accessories

PCL INTERNATIONAL FONT SET-A1

PCL ASIAN FONT SET-A1

PS PRINTER KIT-BC1

### Barcode Printing

BARCODE PRINTING KIT-D1

### System Accessories

SERIAL INTERFACE KIT-K3

COPY CONTROL INTERFACE KIT-A1

CONNECTION KIT-A3 FOR BLUETOOTH LE

### Fax Accessories

SUPER G3 FAX BOARD-AX1

SUPER G3 2ND LINE FAX BOARD-AX1

SUPER G3 3RD/4TH LINE FAX BOARD-AX1

REMOTE FAX KIT-A1

IP FAX EXPANSION KIT-B1

## Other Options

### Accessibility Accessories

ADF ACCESS HANDLE-A1

VOICE GUIDANCE KIT-G1

VOICE OPERATION KIT-D1

### Staple Cartridge

STAPLE-P1

STAPLE CARTRIDGE-Y1

For full specifications, please refer to the  
specification table on your local Canon web site.

# MAIN CONFIGURATION OPTIONS

## FOLD & BOOK FINISHER-A1

- 2-tray, 3,250-sheet capacity
- Corner and double stapling up to 50 sheets (80gsm)
- Booklet-making up to 20 sheets and V-folding up to 3 sheets (A3/A4R)
- Supports ECO-Staple 8 sheets (80gsm) and Staple-on-Demand 50 sheets (80gsm)
- Supports optional external 2/3 Hole Puncher unit-A1 and 2/F4 Hole Puncher Unit-A1



## INNER 2 WAY TRAY-M1

- 2-tray, 350-sheet capacity
- Separates copies, prints and faxes
- Adds a second internal output tray



## BUFFER PASS UNIT-P2

- Inner tray, 100-sheet capacity
- Transports paper to external finisher



## INNER FINISHER-L1\*

- 2-tray, 545-sheet capacity
- Corner and double stapling up to 50 sheets (80gsm)
- Supports ECO-Staple 8 sheets (80gsm) and Staple-on-Demand 40 sheets (80gsm)
- Supports optional Inner 2/3 Hole Puncher-D1 and Inner 2/F4 Hole Puncher-D1

\*not compatible with iR-ADV DX 6870i



## 3RD COPY TRAY KIT-A1

- 100-sheet capacity



## PAPER DECK UNIT-F1

- Supports A4 and B5
- Media weight 52-256 gsm
- 2,700 sheets (80 gsm)



## CASSETTE FEEDING UNIT-AQ1

- Supports up to A3
- Media weight 52-256gsm
- 2 x 550 sheets (80gsm)



## HIGH CAPACITY CASSETTE FEEDING UNIT-C1

- Supports A4
- Media weight 52-256gsm
- 2,450 sheets (80gsm)

## PAPER FOLDING UNIT-L1\*

- Z-fold capacity 1 sheet (80gsm)

\*requires external finisher unit



## STAPLE FINISHER-AB2

- 2-tray, 3,250-sheet capacity
- Corner and double stapling up to 50 sheets (80gsm)
- Supports ECO-Staple 8 sheets (80gsm) and Staple-on-Demand 50 sheets (80gsm)
- Supports optional external 2/3 Hole Puncher unit-A1 and 2/F4 Hole Puncher Unit-A1



Adobe PostScript

Partner/Dealer Stamp

To arrange for a demonstration, simply contact any of our offices below.

### SOUTH & SOUTHEAST ASIA REGIONAL HEADQUARTERS

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