

SMART AND SECURE COLOUR A4 MULTIFUNCTION DEVICES FOR FAST AND FLEXIBLE DOCUMENT PRODUCTION



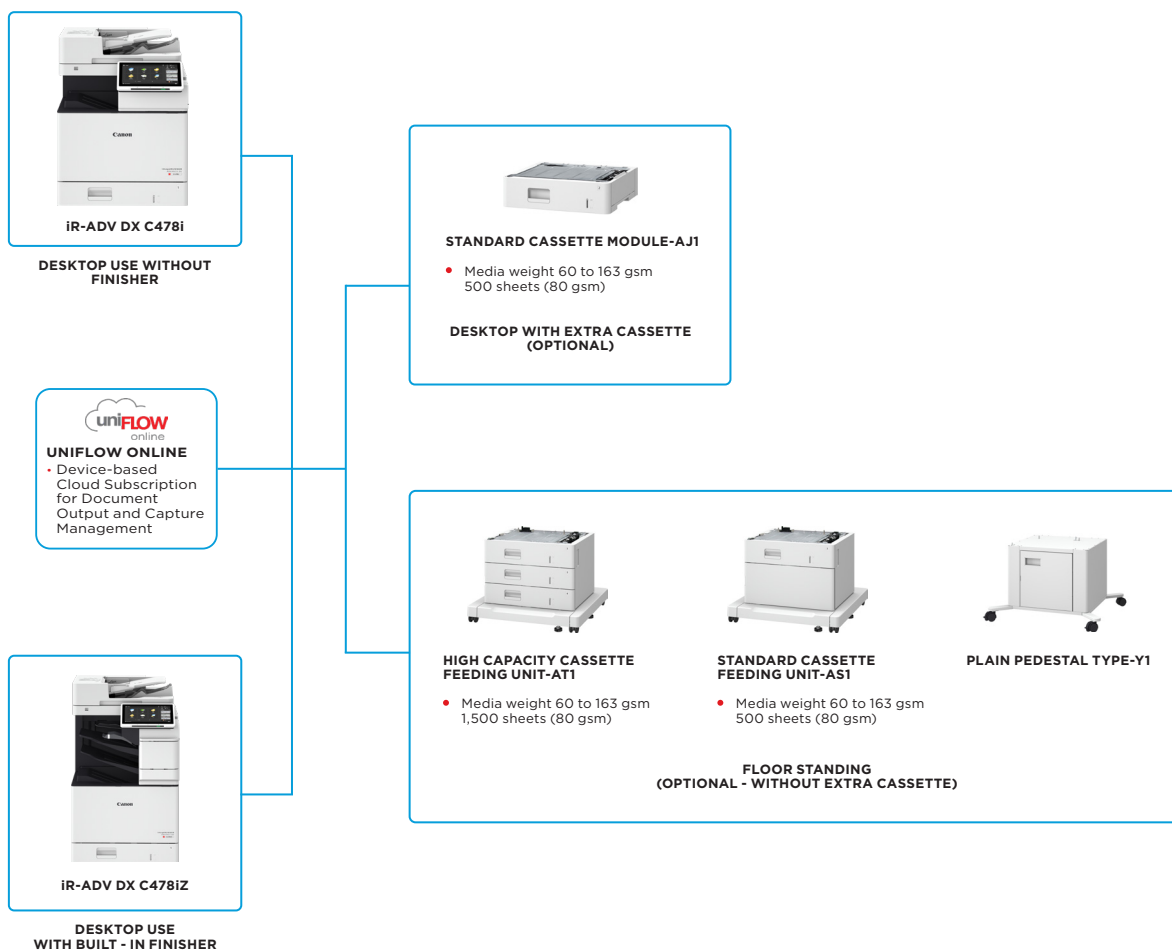
Canon uniFLOW Online
Outstanding Cloud Output Management Solution



New to the Line

MAIN CONFIGURATION OPTIONS

Choice of paper supply options*



* Paper supply options include up to two additional cassettes for non finisher and finisher models.

This flat configuration is for illustration purpose only. For a complete list of options and the exact compatibility relationships, please refer to the [online product configurator](#).

The Unified Firmware Platform (UFP) ensures that the latest feature upgrades and protection are available, for an enhanced user experience across the entire IR ADVANCE DX portfolio.

TECHNICAL SPECIFICATIONS

imageRUNNER ADVANCE DX C478 Series

MAIN UNIT

Machine type	A4 Color Laser Multifunctional
Core functions	Print, Copy, Scan, Send, Store and Optional Fax
Processor	1.8GHz Dual Core Processor
Control Panel	10.1" TFT LCD WSVGA Color Touch panel
Memory	Standard: 4.0GB RAM
Storage	Standard: (SSD) 256GB
Interface Connection	<p>NETWORK</p> <p>Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n); Optional: NFC, Bluetooth Low Energy</p> <p>OTHERS</p> <p>Standard: USB 2.0 (Host) x 2, USB 3.0 (Host) x1, USB 2.0 (Device) x1; Optional: Copy Control Interface</p>
Paper Supply Capacity (A4, 80 gsm)	Standard: 600 sheets 100-sheet Multi-purpose tray 500-sheet Paper cassette x1, Maximum: 2,100 sheets (with Cassette Feeding Unit-AT1)
Paper output capacity (A4, 80 gsm)	Standard model (iR-ADV DX C478i): 400 sheets Finisher model (iR-ADV DX C478iZ): 900 sheets
Finishing capabilities	Standard model (iR-ADV DX C478i): Collate, Group Finisher Model (iR-ADV DX C478iZ): Collate, Group, Offset, Staple
Supported media types	Multi-purpose tray: Thin, Plain, Recycled, Heavy, Color, Bond, Letterhead, Envelope Paper Cassette: Thin, Plain, Recycled, Heavy, Color, Label, Bond, Letterhead
Supported media sizes	Multi-purpose tray: Standard size: A4, A5, A5R, A6, B5, Custom size: 76.2 x 127.0 mm to 216.0 x 355.6 mm Envelopes: COM10 No.10, Monarch, DL, ISO-C5 Paper Cassette: Standard size: A4, A5, A5R, A6, B5 Custom Size: 101.6 x 148.0 mm to 216.0 x 355.6 mm
Supported media weights	Multi-purpose tray: 60 to 216 gsm Paper Cassette: 60 to 163 gsm Duplex: 60 to 163 gsm
Warm-up Time	Quick Startup Mode: 4 seconds or less* * Time from device power-on to when the copy icon appears and is enabled to operate on the touch panel display. From Sleep Mode: 10 seconds or Less From Power On: 10 seconds or less* * Time from device power-on, until copy ready (not print reservation)
Dimensions (W x D x H)	Standard model (iR-ADV DX C478i): 521 x 642 x 668 mm Finisher model (iR-ADV DX C478iZ): 521 x 642 x 864 mm
Installation Space (W x D)	950 x 840 mm (with left cartridge door open + right door open + the cassette drawer open)
Weight (including toner)	Standard model (iR-ADV DX C478i): Approx. 46 kg Finisher model (iR-ADV DX C478iZ): Approx. 55 kg

PRINT SPECIFICATIONS

Print Speed (BW and CL)	iR-ADV DX C478i/C478iZ up to 47 ppm (A4), up to 73 ppm (A5)*, up to 39 ppm (A5R), up to 49 ppm (A6)* * 1-sided only
Print Resolution (dpi)	600 × 600, 1200 × 600
Page description languages	Standard: UFR II, PCL6, Adobe® PostScript®3™
Direct Print	Supported file types: TIFF, JPEG, PDF, EPS, and XPS
Printing from mobile and cloud	AirPrint, Mopria, Universal Print by Microsoft, Canon PRINT Business, and uniFLOW Online (optional) A range of software and MEAP-based solutions are available to provide printing from mobile devices or internet-connected devices and cloud-based services depending on your requirements. Please contact your sales representative for further information.
Fonts	PS fonts: 136 Roman PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andale Mono WT J/K/S/T*1 (Japanese, Korean, Simplified and Traditional Chinese), Barcode fonts*2 *1 Optional PCL International Font Set-A1 is required. *2 Optional Barcode Printing Kit-D1 is required.
Print Features	Secured Print, Secure Watermark, Header/Footer, Page Layout, Two-sided Printing, Toner Reduction, Poster Printing, Forced Hold printing, Print Date, Scheduled Printing, Printing Using a Virtual Printer
Operating System	UFR II: Windows® 8.1/10/Server2012/Server2012 R2/Server2016/Server2019, Mac OS X(10.11 or later) PCL: Windows® 8.1/10/Server2012/Server2012 R2/Server2016/Server2019 PS: Windows® 8.1/10/Server2012 /Server2012 R2/Server2016/Server2019, Mac OS X(10.11 or later) PPD: Windows® 8.1/10, Mac OS X(10.10 or later) McAfee Embedded Control

As of Oct. 2020

COPY SPECIFICATIONS

Copy Speed (BW and CL)	iR-ADV DX C478i/C478iZ up to 47 ppm (A4), up to 73 ppm (A5)*, up to 39 ppm (A5R), up to 49 ppm (A6)* * 1-sided
First-Copy-Out Time (A4, BW/CL)	Approx. 5.1/5.8 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% to 400% (1% Increments) Preset reduction/enlargement: 25%, 50%, 70%, 100%(1:1), 141%, 200%, 400%
Copy Features	Preset R/E Ratios by Area, Two-Sided, Density Adjustment, Original Type Selection, Interrupt Mode, Two-sided Original, Job Build, N on 1, Page Numbering, Copy Set Numbering, Sharpness, Erase Frame, Secure Watermark, Print Date, Copy ID Card, Skip Blank Pages, Color Mode, Reserved copy, Copy Sample

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 (80 gsm)	up to 100 Sheets
Acceptable Originals and weights	Platen: Platen: Sheet and Book Document Feeder media weight: 1-sided scanning: 42 to 128 gsm (BW), 64 to 128 gsm (CL) 2-sided scanning: 50 to 128 gsm (BW), 64 to 128 gsm (CL) Note: Business card: 80 to 220 gsm Original of its width narrower than A6: 50 to 128 gsm
Supported media sizes	Platen scanning size: up to 216.0 x 355.6 mm Document Feeder media size: A4, A5R, A6, B5, Custom size: 48.0 x 128.0 mm to 216.0 x 355.6 mm Business card: 48.0 x 85.0 mm to 55.0 x 91.0 mm
Scan Speed (ipm; BW and CL, A4)	Send (300 x 300 dpi): Automatic Color Select "OFF": 1-sided Scanning: 95 2-sided Scanning: 190 Automatic Color Select "ON": 1-sided Scanning: 50 2-sided Scanning: 100 Copy: Scan Speed priority (300 x 600 dpi): 1-sided Scanning: 50 2-sided Scanning: 100 Image Quality priority (600 x 600 dpi): 1-sided Scanning: 30 2-sided Scanning: 50
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 Specifications	Color Network ScanGear2. For both TWAIN and WIA Supported OS: Windows® 8.1/10/Server2012/Server 2012 R2/Server 2016 As of Mar. 2020
Scan Method	Push Scan, Pull Scan, Scan to Box, Scan to Advanced Space, Scan to Network, Scan to USB Memory Key, Scan to Mobile devices, Scan to cloud (uniFLOW Online - Optional)

SEND SPECIFICATIONS

Destination	Standard: E-mail/Internet FAX (SMTP), SMB 3.0, FTP, WebDAV, Mail Box, Optional: Super G3 FAX, IP Fax
Address Book	LDAP (2,000)/Local (1,600)/Speed dial (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, FTPS E-mail/Fax: SMTP, POP3
File Format	Standard: TIFF, JPEG, PDF (Compact, Searchable, Apply policy, Optimize for Web, PDF A/1-b, Trace & Smooth, Encrypted, Device Signature, User Signature), XPS (Compact, Searchable, Device Signature, User Signature), Office Open XML (PowerPoint, Word)
Universal Send Features	Original Type Selection, Two-sided Original, Density Adjustment, Sharpness, Erase Frame, Job Build, Delayed Send, Preview, Job Done Notice, File Name, Subject/Message, Reply-to, E-mail Priority, TX Report, Original Content Orientation, Skip Blank Pages



TECHNICAL SPECIFICATIONS

imageRUNNER ADVANCE DX C478 Series

FAX SPECIFICATIONS

Maximum Number of Connection Lines	(Optional) 1
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	A4, A5*, A6*, B5*/A4, A5, B5 *Sent as A4
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
Fax Features	Sender's Name (TTI), Selecting the Telephone Line (when sending fax), Direct Send, Delayed Send, Preview, Job Done Notice, TX Report, Interrupt Transmission, Sequential Broadcasting, Password/Subaddress Sending, Confidential Mailbox, 2 on 1 Log

STORE SPECIFICATIONS

Mail Box (Number supported)	100 User Inboxes, 1 Memory RX Inbox, 50 Confidential Fax Inboxes Maximum 10,000 Pages (2,000 jobs) Stored
Advanced Space	Communication Protocol: SMB or WebDAV Supported Client PC: Windows® 8.1/10 Concurrent Connections (Max.): SMB:64, WebDAV:3
Advanced Space available disc space	Standard:16 GB
Advanced Space Features	Authentication for Advanced Space Log-in, Sort Function, Printing a PDF File with a Password, imageWARE Secure Audit Manager Support, Search, File Preview, Authentication Management, Open to public, URI TX, Backup/Restore

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) *Card readers are optional, please refer to Hardware Accessories Activation is required
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 Space 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) ** Requires uniFLOW Online / uniFLOW
Network Security	TLS 1.3, IPsec, IEEE802.1X authentication, SNMP V3.0, Firewall Functionality (IP/MAC Address Filtering), 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 Space 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 2.0), Job Log Conceal Function, Protecting MFD Software Integrity, Checking MFD Software Integrity (Verify System at Startup, Runtime Intrusion Detection enabled with McAfee Embedded Control), HCD-PP Common Criteria certification (under evaluation)
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

ENVIRONMENTAL SPECIFICATIONS

Operating Environment	Temperature: 10 to 30 °C Humidity: 20 to 80 % RH (Relative Humidity)
Power source	220-240 V, 50/60 Hz, 4.3 A
Power consumption	Maximum: Approx. 1,500 W Copying (with DADF continuous scan): 739 W*1 Standby: Approx. 48 W*1 Sleep mode: Approx. 1.0 W*2 *1 Reference value: measured one unit *2 1.0 W is not available in all circumstances due to certain settings. Typical Electricity Consumption (TEC) : iR-ADV DX C478i/C478iZ: 0.49 kWh *As per USA Energy Star 3.0
Noise levels	Sound Power Level (LWA, m) Active (BW) (1-sided): iR-ADV DX C478i/C478iZ: 63 dB, Kv 3 dB * Reference value: measured only one unit with ISO7779, described with ISO9296 (2017) Sound Pressure (LpAm) Bystander's position: Active (BW) (1-sided): iR-ADV DX C478i/C478iZ: 50 dB Standby: iR-ADV DX C478i/C478iZ: 28 dB * Reference value: measured only one unit with ISO7779, described with ISO9296 (2017)
Standards	Blue Angel

CONSUMABLES

Toner Cartridges	Toner T04 BK/C/M/Y Toner T04L BK/C/M/Y
Toner Yield	Toner T04 BK: 33,000 pages* Toner T04 C/M/Y: 27,500 pages* Toner T04L BK: 11,000 pages* Toner T04L C/M/Y: 9,000 pages* *Toner Cartridge yield in accordance with ISO/IEC 19798*

SOFTWARE AND PRINTER MANAGEMENT

Tracking and reporting	For detailed information please visit our website https://www.canon-europe.com/business/ Universal Login Manager (ULM) uniFLOW Online Express* * For more information, please refer to uniFLOW Online Express uniFLOW Online
Remote management tools	iWEMC eMaintenance Content Delivery System
Scanning software	Network ScanGear
Optimisation tools	Canon Driver Configuration Tool
Platform	MEAP (Multifunctional Embedded Application Platform)
Document Publishing	Kofax PowerPDF Advanced (Optional)

PAPER SUPPLY OPTIONS

Cassette Module-AJ1	Paper Capacity: 500 sheets (80 gsm) Paper Type: Thin, Plain, Recycled, Heavy, Color, Labels, Bond, Letterhead Paper Size: A4, A5, A5R, A6, B5, Custom size: 101.6 x 148.0 mm to 216.0 x 355.6 mm Paper Weight: 60 to 163 gsm Dimensions (W x D x H): 521 x 474 x 130 mm (attached to the main unit) Weight: Approx. 7 kg
Cassette Feeding Unit-AS1	Paper Capacity: 500 sheets (80 gsm) Paper Type: Thin, Plain, Recycled, Heavy, Color, Labels, Bond, Letterhead Paper Size: A4, A5, A5R, A6, B5, Custom size: 101.6 x 148.0 mm to 216.0 x 355.6 mm Paper Weight: 60 to 163 gsm Dimensions (W x D x H): 642 x 657 x 456 mm (attached to the main unit) Weight: Approx. 19 kg
Cassette Feeding Unit-AT1	Paper Capacity: 1,500 sheets [500 sheets x 3 (80 gsm)] Paper Type: Thin, Plain, Recycled, Heavy, Color, Labels, Bond, Letterhead Paper Size: A4, A5, A5R, A6, B5, Custom size: 101.6 x 148.0 mm to 216.0 x 355.6 mm Paper Weight: 60 to 163 gsm Dimensions (W x D x H): 642 x 657 x 456 mm (attached to the main unit) Weight: Approx. 24 kg

TECHNICAL SPECIFICATIONS

imageRUNNER ADVANCE DX C478 Series

OUTPUT FEATURES*

Finisher model
(IR-ADV DX C478iZ)

*Paper capacity may vary with different paper type/size.

Tray Capacity (with 80 gsm paper/same paper type):
Upper Tray: A4, A5R, B5: 400 sheets
Lower Tray: A4, A5R, B5: 100 sheets
Main unit output tray: A4, A5, A5R, A6, B5: 400 sheets
Paper Type: Thin, Plain, Recycled, Heavy, Color, Bond, Letterhead, Envelope*
*only for main unit output tray
Staple Paper Weight: 60 to 120 gsm
(available with upper tray)
Staple Position: Corner
Staple Paper Size: A4, Custom size
(210.0 x 279.4 mm to 216.0 x 355.6 mm)
Staple Capacity: A4: 30 sheets (60 to 90 gsm),
20 sheets (91 to 120 gsm)

HARDWARE ACCESSORIES

Card Readers

Various card readers available e.g. MiCard Plus. Please contact local Canon Office for more details
Copy Card Reader-F1
Copy Card Reader Attachment-B5

Others

IC Card Reader Box-D1

SYSTEM AND CONTROLLER OPTIONS

Print Accessories

PCL International Font Set-A1

Barcode Printing

Barcode Printing Kit-D1

System Accessories

Copy Control Interface Kit-A1
Connection Kit-A3 for Bluetooth LE
NFC Kit-E2

Fax Accessories

Super G3 FAX Board-AT1
Remote Fax Kit-A1
IP FAX Expansion Kit-B1

OTHER OPTIONS

Accessibility Accessories

ADF Access Handle-A1

Consumables

Staple-P1 (2 x 5,000pcs)

Software & Solutions



Certifications and compatibility



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