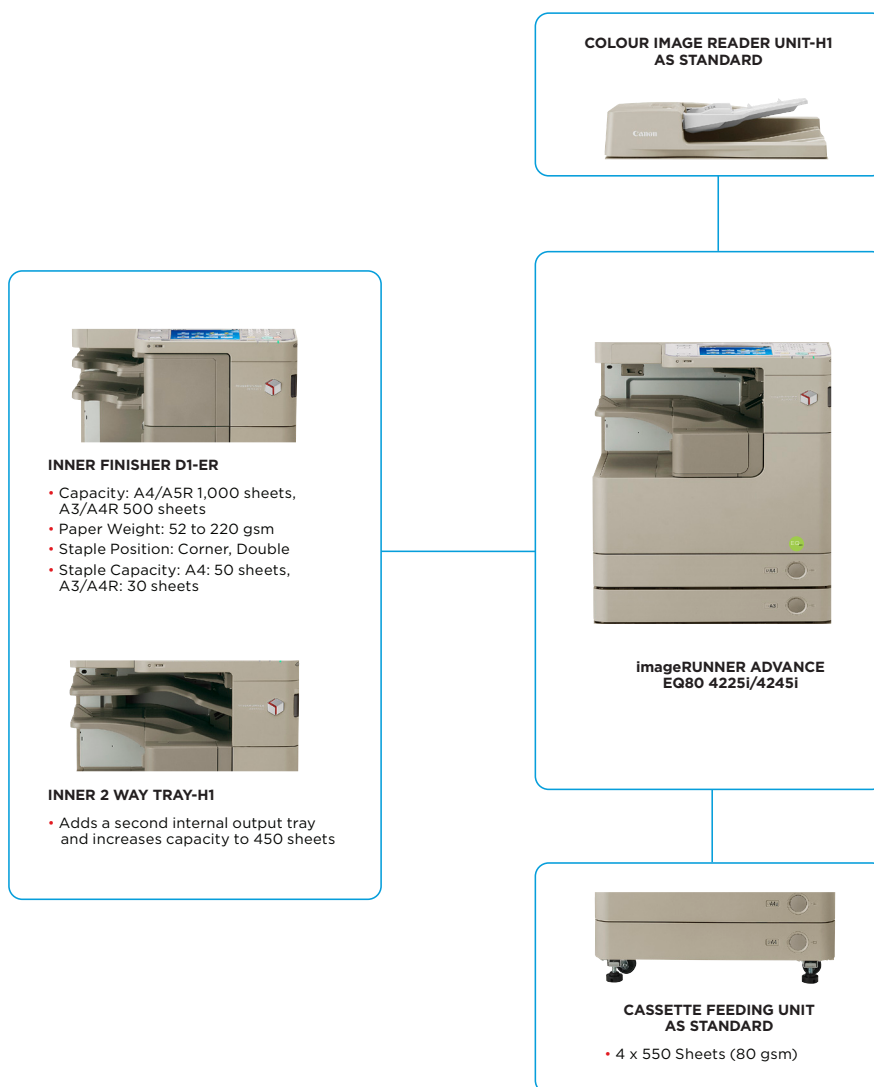# imageRUNNER ADVANCE EQ80 4200 Series

EQ80

# IMPROVE SUSTAINABILITY WITH REMANUFACTURED A3 MONO DEVICES, OFFERING ENHANCED DOCUMENT SECURITY FOR EVERY WORKSPACE

## Main configuration options

**COLOUR IMAGE READER UNIT-H1 AS STANDARD**



**INNER FINISHER D1-ER**

- Capacity: A4/A5R 1,000 sheets, A3/A4R 500 sheets
- Paper Weight: 52 to 220 gsm
- Staple Position: Corner, Double
- Staple Capacity: A4: 50 sheets, A3/A4R: 30 sheets

**INNER 2 WAY TRAY-H1**

- Adds a second internal output tray and increases capacity to 450 sheets

**imageRUNNER ADVANCE EQ80 4225i/4245i**

**CASSETTE FEEDING UNIT AS STANDARD**

- 4 x 550 Sheets (80 gsm)

# Canon

# TECHNICAL SPECIFICATIONS

# imageRUNNER ADVANCE EQ80 4200 Series

## MAIN UNIT

| | |
|---|---|
| Machine type | Monochrome Laser Multifunctional |
| Core functions | Print, Copy, Scan, Send, Store and Optional Fax |
| Processor Speed | 1.8 Ghz |
| Control Panel | 21.3 cm(8.4 inch) TFT SVGA Colour Touchscreen |
| Memory | Standard: 1GB+256MB |
| Hard Disk drive | Standard: 160GB |
| Interface Connection | NETWORK Standard: 1000BaseT/100Base-TX/10Base-T OTHERS: 1 x USB Host (2.0), Additional 2x USB Host (2.0) (Optional) |
| Network Protocols | TCP/IP* (LPD/ Port 9100/ WSD/ IPP/ IPPS/ SMB/ FTP), IPX/ SPX (NDS, Bindery), AppleTalk<br>*IPv4/IPv6 support |
| Paper Input (Standard) | 4 x 550-sheet cassettes (80gsm) 80-sheet multi-purpose tray (80gsm) |
| Maximum Paper Input Capacity | 2,280 sheets (80 gsm) |
| Paper output capacity | Without Finisher: 250 Sheets (A4, 80gsm) With Inner Finisher: 1,000 Sheets (A4, 80gsm) |
| Finishing capabilities | Standard:  Collete, Group With Inner Finisher: Collate, Group, Staple |
| Supported media types | Cassette/s: Plain paper, Recycled paper, Colour paper, Heavy paper, Punch Multi-purpose tray: Plain paper, Recycled paper, Colour paper, Heavy paper, Punch, Bond, Transparency, Label, Envelope |
| Supported media sizes | Paper Drawer 1: Standard size: A4, A4R, A3, A5R Free size: (139.7mm x 182.0mm x 431.8mm) Paper Drawer 2, 3 and 4: Standard size: A4, A4R, A3, A5R, Free size: (139.7 mm x 182.0 mm to 297.0 mm x 431.8 mm) Multi-purpose tray: Standard size: A4, A4R, A3, A5, A5R, B5 Free size: (99mm x 148mm to 297 mm to 432 mm), Envelopes (No.10 (COM10), ISO-B5, Monarch, ISO-C5,DL) |
| Supported media weights | Cassette/s: 60 to 128 gsm Multi-purpose tray: 52 to 220 gsm Duplex: 60 to 105 gsm |
| Warm-up Time | 30 sec or less from Power ON, 10 sec or less from Power ON (Quick Start mode) |
| Dimensions (W x D x H) | 565 mm x 708 mm x 1150 mm |
| Installation Space (W x D) | 1094 mm x 1267 mm (Minimum configuration with access to paper cassettes and for service purposes) |
| Weight | Approx. 77.9 kg |

## PRINT SPECIFICATIONS

| | |
|---|---|
| Printing method | Monochrome Laser Beam Printing |
| Print Speed (BW) | iR-ADV 4225i EQ80: 25 ppm (A4), 15 ppm (A3), 17 ppm (A4R), 17 ppm (A5R) iR-ADV 4245i EQ80: 45 ppm (A4), 22 ppm (A3), 32 ppm (A4R), 20 ppm (A5R) |
| Print Resolution | 1,200 dpi x 1,200 dpi, 600 dpi x 600 dpi |
| Page description languages | UFRII (Standard) PCL5e/6 (Standard) Optional Adobe PostScript Level 3 (Requires PS PRINTER KIT-AY1) |
| Double Sided Printing | Automatic (Standard) |
| Direct Print | Direct printing available from USB memory key, Advanced space, Remote UI and Web Access * Supported file types: TIFF, JPEG, PDF※ and XPS**<br>*Only PDF print from websites is supported<br>**Requires PS Printer Kit for PDF or Direct Print Kit for PDF/XPS |
| Printing from mobile and cloud | A range of software and MEAP-based solutions is 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 | PCL fonts: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J/K/S/T* (Japanese, Korean, Simplified and Traditional Chinese) , Barcode fonts**<br>*Requires optional PCL INTERNATIONAL FONT SET-A1<br>**Require optional BARCODE PRINTING KIT-D1<br>PS fonts: 136 Roman |
| Print Features | Suspend Job Timeout, Subset Finishing, Profile Settings, Secured Print, Watermark, Page Border, Header/Footer, Page Layout, Two-sided Printing, Collating, Grouping, Mixed Paper Sizes/ Orientations, Offsetting, Printing on Transparencies, Front/Back Covers, Toner Reduction, Poster Printing |

| | |
|---|---|
| Operating System | UFRII: Windows® 7/8.1/10/Server2008/Server2008 R2/ Server2012/Server2012 R2/Server2016/Server2019, Mac OS X(10.10 or later) PCL: Windows® 7/8.1/10/Server2008/Server2008 R2/ Server2012/Server2012 R2/Server2016/Server2019 PS: Windows® 7/8.1/10/Server2008/Server2008 R2/ Server2012/Server2012 R2/Server2016/Server2019, Mac OS X(10.10 or later) PPD: Windows® 7/8.1/10, Mac OS X(10.9 or later) Please refer to http://software.canon-europe.com/ for availability of print solutions for other operating systems and environments including AS/400, UNIX, Linux and Citrix. Some of these solutions are chargeable. |

## COPY SPECIFICATIONS

| | |
|---|---|
| Copy Speed | iR-ADV 4225i EQ80: 25 ppm (A4), 15 ppm (A3), 17 ppm (A4R), 17 ppm (A5R) iR-ADV 4245i EQ80: 45 ppm (A4), 22 ppm (A3), 32 ppm (A4R), 20 ppm (A5R) |
| First-Copy-Out Time (BW) | iR-ADV 4225i EQ80: Approx. 5.2 seconds or less iR-ADV 4245i EQ80: Approx. 3.8 seconds or less |
| Copy resolution | Reading: 600 dpi x 600 dpi Printing: Up to 1,200 dpi x 1,200 dpi |
| Multiple Copies | Up to 999 copies |
| Copy Exposure | Automatic or Manual |
| Magnification | 25% - 400% (1% Increments) |
| Preset Reductions | 25%, 50%, 70%, 100% |
| Preset Enlargements | 141%, 200%, 400% |
| Basic Copy Features | Paper Setting, Previous Setting, Favourite Setting, Finishing, Two-Sided, Density Adjustment, Exposure Adjustment, Original Type Selection, Interrupt Mode, Setting Confirmation/Cancel |
| Special Copy Features | Book to Two Pages, Two-sided Original, Finishing, Job Build, N on 1, Add Cover, Insert Sheets, Different Size Originals, Density Adjustment, Original Type Selection, Transparency Cover Sheets, Page Numbering, Copy Set Numbering, Sharpness, Erase Frame, Secure Watermark, Print Date, Shift, Gutter, Print & Check, Negative/Positive, Repeat Images, Merge Job Blocks, Job Done Notice, Mirror Image, Store in Mail Box, Superimpose Image, Cascade Copy, Free Size Original |

## SCAN SPECIFICATIONS

| | |
|---|---|
| Standard type | Standard: Reader and Duplexing Automatic Document Feeder (RADF) |
| Pull Scan Specifications | Color Network ScanGear2. For both TWAIN and WIA Supported OS: Windows® 7/8.1/10/Server2008/ Server2008 R2/Server2012/Server2012 R2/Server 2016 |
| Scan Resolution | 100dpi, 150dpi, 200 x 100dpi, 200dpi, 200 x 400dpi, 300dpi, 400dpi |
| Acceptable Originals/Weights | Media size: A3, A4, A4R, A5, A5R, Custom sizes (W x L): Max 297 mm x 432 mm  Min. 128 mm x 148 mm Media weight: Single-sided scanning: 42 to 128 g/m² Double-sided scanning: 50 to 128 g/m² |
| Scan Method | Send functionality available on all models Scan to USB Memory Key: Available on all models Scan to Mobiles or internet-connected devices: A range of optional solutions is available to provide scanning to mobile devices or internet-connected devices depending on your requirements. Please contact your sales representative for further information Scan to cloud-based services: A range of optional solutions is available to provide scanning to cloud-based services depending on your requirements. Please contact your sales representative for further information. TWAIN/WIA Pull scanning available on all models |
| Scan Speed (BW/CL; A4) | Single-sided (BW): 51 ipm (300dpi) Single-sided (Colour): 51 ipm (300dpi) Double-sided (BW): 17 ipm (300dpi) Double-sided (Colour): 17 ipm (300dpi) |
| Double sided scanning | 2-sided to 2-sided (Automatic) |

## SEND SPECIFICATIONS

| | |
|---|---|
| Optional/ standard | Standard on all models |
| Destination | E-Mail/ Internet FAX (SMTP), SMB, FTP, WebDAV, Super G3 FAX (Optional) |
| Colour Mode | Auto Colour Select (Full Colour, Grayscale), Auto Colour Select (Full Colour/ Black-and-White) Full Colour, Grayscale, and Black-and-White |
| Address Book/Speed dials | LDAP (2000 searchable)/Local 1600 + 200 speed dial |
| Send resolution | 100dpi, 150dpi, 200 x 100dpi, 200dpi, 200 x 400dpi, 300dpi, 400dpi |

Canon

# imageRUNNER ADVANCE EQ80 4200 Series

| | |
|---|---|
| Communication protocol | File: FTP, SMB v3.0, WebDAV<br>E-mail/I-Fax: SMTP, POP3, I-Fax (Simple, Full) |
| File Format | Standard: TIFF, JPEG, PDF, XPS, High compression PDF/<br>XPS, Searchable PDF/XPS, PDF/A-1b<br>Optional: Outline PDF (Trace & Smooth), Encrypted PDF,<br>Device Signature PDF/XPS, User Signature PDF/XPS |
| Universal Send Features | Original Type Selection, Two-sided Original, Book to Two<br>Pages, Different-size Originals, Density Adjustment,<br>Sharpness, Copy Ratio, Erase Frame, Job Build, Sender's<br>Name (TTI), Select Line, Direct Send, Delayed Send,<br>Preview, Finished Stamp, Job Done Notice, File Name,<br>Subject/Message, Reply-to, TX Report |

## FAX SPECIFICATIONS

| | |
|---|---|
| Optional/ standard | Optional on all models |
| Maximum Number of Connection Lines | 1 |
| Modem Speed | Super G3 33.6kbps |
| Compression Method | MH, MR, MMR, JBIG |
| Resolution | Standard: 200 x 100 dpi<br>Fine: 200 x 200 dpi<br>Super fine: 200 x 400 dpi<br>Ultra fine: 400 x 400 dpi |
| Sending/Recording Size | A5* and A5R* to A3<br>*Sent as A4 |
| FAX memory | Up to 20,000 pages |
| Speed dials | Max. 200 |
| Group dials/destinations | Max. 199 dials |
| Sequential broadcast | Max. 256 address + New 256 destinations |
| Memory backup | 3 hour |
| Fax Features | Original Type Selection, Two-sided Original, Book to Two<br>Pages, Different-size Originals, Density for Scanning,<br>Sharpness, Copy Ratio, Erase Frame, Job Build, Specifying<br>the Sender's Name (when sending fax), Sender's Name<br>(TTI), Selecting the Telephone Line (when sending fax),<br>Direct Send, Delayed Send, Preview, Finished Stamp, Job<br>Done Notice, TX Report |

## STORE SPECIFICATIONS

| | |
|---|---|
| Mail Box | 2,000 Maximum Pages Stored |
| Advanced space | Communication Protocol: SMB or WebDAV<br>Supported Client PC: Windows (Windows XP/Vista/7/8/10)<br>Concurrent Connections (Max.): SMB: 32, WebDAV: 12<br>(Active Sessions) |
| Advanced Space Features | Disabling Advanced space, Storage Filtering, Authentication<br>for Advanced Space Log-in |
| Memory Media | Standard: USB Memory |

## SECURITY SPECIFICATIONS

| | |
|---|---|
| Authentication | Standard: User Authentication, Department ID,<br>Authentication<br>Optional: Universal Login Manager (Device and Function<br>Level Log-in, freely available for download), uniFLOW<br>Online Express Cloud based management software (freely<br>available for download), My Print Anywhere secure print<br>(Requires uniFLOW), Access Management System |
| Data | Standard: Trusted Platform Module (TPM), Hard Disk Drive<br>Erase, Mail Box Password Protection, HDD Password Lock<br>Optional: Hard Disk Drive Encryption(FIPS140-2 Validated),<br>Data Loss Prevention (Requires uniFLOW), HDD Removal |
| Network | Standard: IP/Mac Address Filtering, IPSEC, TLS Encrypted<br>Communication, SNMP V3.0, IEEE 802.1X, IPv6, SMTP<br>Authentication, POP Authentication before SMTP |
| Document | Standard: Secure Print, Adobe LiveCycle® Rights<br>Management ES2.5 Integration<br>Optional: Encrypted PDF, Encrypted Secure Print, User and<br>Device signatures, Secure Watermarks |

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| Operating Environment | Temperature: 10 to 30ºC (50 to 86ºF)<br>Humidity: 20 to 80% RH (no condensation) |
| Power source | 220-240 V (±10%), 50/60 Hz (±2 Hz),<br>4.3-5.6 Amp |

| | |
|---|---|
| Power consumption | Maximum: Approx. 1.5 KW<br>Standby: Approx. 62.5 W<br>Energy Saver Mode:<br>Approx. 38.4 W (Sleep Mode Energy Use [High] )<br>Sleep mode: Approx. 0.9 W or less (Sleep Mode Energy<br>Use [Low])<br>Typical Electricity Consumption (TEC) rating*:<br>iR-ADV 4225i EQ80: 1.2 kWh<br>iR-ADV 4245i EQ80: 2.4 kWh<br>*1W or less sleep mode is not available in all circumstances due to certain<br>settings.<br>(TEC Rating as per Energy Star v2.0) |
| Noise levels (BW/CL) | Noise Levels (Sound pressure level, LpAm, Operator's<br>position)*:<br>Active: 54.63 dB (iR-ADV 4251i), 55.30 dB (iR-ADV 4245i),<br>53.50 dB (iR-ADV 4235i), 51.40 dB (iR-ADV 4225i)<br>Standby: Inaudible (Less than 30 dB)<br>*Declared noise emission in accordance with ISO 7779 |
| Standards | Energy Star v2.0 Qualified<br>Blue Angel |

## SOFTWARE AND PRINTER MANAGEMENT

| | |
|---|---|
| Tracking and reporting | Universal Login Manager (ULM): Manage your costs easily<br>by using the embedded reporting capability to identify and<br>control costs on a user-based level by device.<br>uniFLOW Online Express: Combining with ULM you can<br>gain further control and highlight expenditures per users/<br>department and pinpoint where costs can be scaled down<br>from a central cloud based location |
| Remote management tools | iWEMC:<br>Server-based software for centralised management of a<br>fleet of devices (includes monitoring or consumables,<br>status monitoring and alerts, distribution of address books,<br>configuration settings, firmware and MEAP applications,<br>meter capture and reporting, driver and resource<br>management)<br>eMaintenance:<br>Compatible with eMaintenance services via embedded RDS<br>(Enables meter capture, automatic consumables<br>management, remote diagnostics and reporting for service<br>providers to offer efficient, fast and proactive maintenance)<br>Content Delivery System:<br>Allows the Remote distribution of firmware, iR options and<br>MEAP applications; Remote User Interface (RUI) Web<br>based interface to each device that helps to provide<br>remote device management and control |
| Scanning software | Network ScanGear:<br>TWAIN-compliant scanner driver that enables computers<br>on a network to use the pull scan functionality of the<br>device |
| Optimisation tools | Canon Driver Configuration Tool:<br>A utility for changing the factory default settings of Canon<br>print drivers (Available via service only)<br>NetSpot Device Installer:<br>Simple utility software that allows you to make network<br>protocol settings for Canon devices connected to your<br>network. |
| Platform | MEAP (Multifunctional Embedded Application Platform):<br>A powerful JAVA Embedded Platform for Canon devices<br>which provides tight coupling between a range of software<br>solutions and the device.<br>MEAP Web:<br>Web service alternative to MEAP that allows MFP<br>applications to be developed and deployed via web<br>services |

## CONSUMABLES

| | |
|---|---|
| Toner Cartridge/s | C-EXV 39 Black Toner<br>(Toner for imageRUNNER ADVANCE 4225i EQ80)<br>C-EXV 38 Black Toner<br>(Toner for imageRUNNER ADVANCE 4245i EQ80) |
| Toner (Estimated Yield @ 6% Coverage) | C-EXV 38 TONER (34.2K pages)<br>C-EXV 39 TONER (30.2K pages) |

## OUTPUT OPTIONS

| | |
|---|---|
| INNER FINISHER | Name: Inner Finisher -D1 ER<br>Capacity: A4/A5R 1,000 sheets, A3/A4R 500 sheets<br>Paper Weight: 52 to 220 gsm<br>Staple Position: Corner, Double<br>Staple Capacity: A4: 50 sheets, A3/A4R: 30 sheets<br>Dimensions (W x D x H): 410mm × 554mm × 295mm<br>Weight: Approx. 12.5kg |
| INNER 2-WAY TRAY | INNER 2 WAY TRAY-H1 - Adds a second internal output<br>tray and increases capacity to 450 sheets |

Canon

**HARDWARE ACCESSORIES**

**CARD READERS**
MiCARDPLUS FOR ULM - A proximity card reader for card based user authentication, supporting multiple card technologies (HID, HiTag, Casi Rusco, Indala and MiFare etc.). Integrates with Universal Login Manager and uniFLOW
COPY CARD READER-F1 - Magnetic physical card access system. (Integrates with Department ID, not for use with uniFLOW)
COPY CARD READER ATTACHMENT-B5 - Attachment kit for Copy Card Reader-F1 only.

**OTHERS**
STAMP INK CRG-C1 - Ink cartridge for printing stamps on scanned and sent originals
STAMP UNIT-B1 - Stamp attachment for document feeder

**SECURITY OPTIONS**

**DOCUMENT SECURITY**
SECURE WATERMARK-B1 - Deters duplication of sensitive documents by embedding hidden watermarks that become visible when copied
ENCRYPTED PRINTING SOFTWARE-D1 - Encrypts the print job in transit to the device and requires a password at the printer before documents can be printed.

**DATA SECURITY**
HDD DATA ENCRYPTION & MIRRORING KIT-C4  - Hard disk drive accessory pack, providing encryption and mirroring of both temporary and permanent data. Encryption enables copied or scanned images to be encrypted BEFORE they are saved on the device's hard drive. The pack includes the Common Criteria level EAL3 certified Canon MFP security kit 2.00. Mirroring copies all data in real time, providing a highly reliable back-up.

**SYSTEM AND CONTROLLER OPTIONS**

**PRINT ACCESSORIES**
PCL INTERNATIONAL FONT SET-A1 - Adds PCL support for Andalé Mono WT J/K/S/T (Japanese/Korean/Simplified Chinese/Traditional Chinese).
PS PRINTER KIT-AY1 - Adds Genuine Adobe PostScript Support.  Also enables users to print PDF/PS/EPS files directly to the device.

**SEND OPTIONS**
UNIVERSAL SEND SECURITY FEATURE SET-C1 - Enables the user to send Encrypted PDFs as well as add digital device signatures to a PDF/XPS which help identify the device from which the document was sent through invisible and/or visible digital signatures.
UNIVERSAL SEND DIGITAL USER SIGNATURE KIT-C1 - Ensures the authenticity of a PDF/XPS by identifying the user that sent the document through a visible and/or invisible digital signature.
UNIVERSAL SEND TRACE & SMOOTH PDF KIT-A1 - Enables the device to create and send Trace and Smooth PDF

**BARCODE PRINTING**
BARCODE PRINTING KIT-D1 - Provides the ability to print 1D and 2D barcodes on output using jet caps technology.

**DIRECT PRINTING**
DIRECT PRINT KIT (PDF/XPS)-H1 - Enables users to print PDF/XPS files directly to the device  through the Remote UI and Removable Media (USB memory etc.).

**SYSTEM ACCESSORIES**
WEB ACCESS SOFTWARE-J1 - Provide access to web sites and other web-based online content)
COPY CONTROL INTERFACE KIT-A1 - Allows connection (CCVI I/F) between 3rd party copy control terminal and Canon's iR-ADV range for cost recovery use.
SERIAL INTERFACE KIT-K3 - Serial interface for Cost Recovery Solutions.

**FAX ACCESSORIES**
Super G3 FAX Board-AK1 ER - Adds fax functionality.
REMOTE FAX KIT-A1 - Enables the device to send and receive fax from another device connected with a fax board.

**OTHER OPTIONS**

**STAPLE CARTRIDGE**
STAPLE-J1 - For stapling (3 x 5,000 pcs)

**OTHERS**
USB DEVICE PORT-E4 - Adds two additional USB Ports to use with uniFLOW or 3rd party card readers for additional media support.

**Disclaimers**
Specifications are subject to change, please check with your local Canon Office for latest updates.

## Software & Solutions

**Canon Inc.**
canon.com
**Canon Europe**
canon-europe.com
English edition
© Canon Europa N.V.,2021