imageFORCE 1643/1643F/1643P

imageFORCE 1643/1643F

imageFORCE 1643P

SPECIFICATIONS

Main Unit

Technology/Type	1643/1643F: Laser/A4 Monochrome Multifunction Printer 1643P: Laser/A4 Monochrome Single-function Printer
Core Functions	1643: Print, Copy, Scan, Send 1643F: Print, Copy, Scan, Send and Fax 1643P: Print
Control Panel	1643/1643F: 7 inch TFT LCD WVGA Color Touch Panel 1643P: 5 Line LCD
Memory	2.0 GB RAM
Processor	1.6 GHz Dual Core, 800 MHz Single core
Storage	1643/1643F: 64 GB eMMC (available space 30 GB) 1643P: 32 GB eMMC (available space 15 GB)
Interface Connections	1643/1643F: NETWORK Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) OTHERS Standard: USB 2.0 (Host) x2, USB 2.0 (Device) x1
	1643P: NETWORK Standard: 1000Base-T/100Base-TX/10Base-T, Wireless LAN (IEEE 802.11 b/g/n) OTHERS Standard: USB 2.0 (Host) x1, USB 2.0 (Device) x1
Paper Sources (Letter, 20 lb. Bond)	Standard: 550-Sheet Paper Cassette, 100-Sheet Multi-Purpose Tray Optional: 550-Sheet Paper Cassette (Paper Feeder PF-C1)
Paper Capacity (Letter, 20 lb. Bond)	Standard: 650 Sheets Maximum: 2,300 Sheets
Output Capacity (Letter, 20 lb. Bond)	Standard: 150 Sheets Maximum: 150 Sheets
Finishing Capabilities	Collate, Group

Supported Media Types	Paper Cassette: Thin, Plain, Recycled, Color, Heavy, Bond, Letterhead Multi-Purpose Tray: Thin, Plain, Recycled, Color, Heavy, Bond, Labels, Envelope, Postcard, Letterhead
Supported Media Sizes	Paper Cassette: Letter, Legal, Statement, Executive Custom Size: 4-1/8" x 5-7/8" to 8-1/2" x 14" Multi-Purpose Tray: Letter, Legal, Statement, Executive, Index Card Envelope: COM10, Monarch, C5 Custom Size: 3" x 5" to 8-1/2" x 14"
Supported Media Weights	Paper Cassettes: 16 lb. Bond to 44.4 lb. Cover (60 to 120 gsm)
	Multi-Purpose Tray: 16 lb. Bond to 73.6 lb. Cover (60 to 199 gsm)
	Duplex: 16 lb. Bond to 44.4 lb. Cover (60 to 120 gsm)
Warm-up Time	1643/1643F: Quick Startup Mode: 4 Seconds or less[1] From Sleep Mode: 20 Seconds or less[2]
	1643P: Quick Startup Mode: 2 Seconds or less[3] From Sleep Mode: 5 Seconds or less[2]
Dimensions (W x D x H)	1643/1643F: 18-7/8" x 20-3/8" x 18" (480 x 518 x 458 mm) 1643P: 16-1/8" x 14-7/8" x 10-7/8" (409 x 376 x 275 mm)
Installation Space (W x D)	1643/1643F: 18-7/8" x 30-3/4" (480 x 780 mm) (Cassette and Back Door Opened) 1643P: 16-1/8" x 26-1/4" (409 x 667 mm) (Cassette and Back Door Opened)
Weight	1643/1643F: Approx. 44.1 lb. (20 kg)[4] 1643P: Approx. 27.6 lb. (12.5 kg)[4]

SPECIFICATIONS CONTINUED

imageFORCE 1643/1643F/1643P

Print Specifications	
Print Speed (BW)	Up to 45 ppm (Letter)[5]
First-Print-Out Time (Letter, BW)	Approx. 6.2 Seconds or less
Print Resolution (dpi)	Up to 1200 x 1200 (equivalent)
Standard Page Description Languages	Standard: UFR II, PCL6/PCL5, Adobe® PostScript®3™
Direct Print Supported File Types	PDF, EPS, TIFF/JPEG, and XPS
Printing from Mobile and Cloud	A range of software and MEAP-based solutions (AirPrint, Mopria, IPP Everywhere, Canon PRINT, uniFLOW Online, Universal Print) are available to provide printing from mobile devices or internet-connected devices and cloud-based services[6] depending on your requirements. Please contact your sales representative for further information.
Operating System Standard Printing	Android[7] /Windows® 10[7]/Windows® 11[7]/Chrome OS[7] /macOS (11.2.2 or later)[8]/iOS (15.2 or later)[8] /iPadOS[8]
Print Feature	Secure Print, Secure Watermark, Header/Footer, Page Layout, Two-sided Printing, Mixed Paper Sizes/Orientations, Toner Reduction, Poster Printing, Forced Hold Printing, Print Date, Scheduled Printing, Printing Using a Virtual Printer
Fonts	PS: 136 Roman PCL: 93 Roman, 10 Bitmap fonts, 2 OCR fonts, Andalé Mono WT J/K/S/[9] (Japanese, Korean, Simplified and Traditional Chinese), Barcode fonts[10]
Operating System	UFRII: Windows® 10/11/Server2016/Server2019/Server2022/Server2025, macOS (10.15 or later) PCL: Windows® 10/11/Server2016/Server2019/Server2022/Server2025 PS: Windows® 10/11/Server2016/Server2019/Server2022/Server2025, macOS (10.15 or later) PPD: Windows® 10/11, macOS (10.15 or later)
Copy Specifications[11]	
Copy Speed (BW)	Up to 45 ppm (Letter)
First-Copy-Out Time (Letter, BW)	Approx. 6 seconds or less
Copy Resolution (dpi)	600 x 600 dpi (Platen / Default) 600 x 600 dpi (ADF) 300 x 600 dpi (ADF / Default)
Multiple Copies	Up to 9,999 copies
Magnification	Variable Zoom: 25% to 400% (1% Increments)
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, Different Size Originals (LTR-R/LGL are supported), Sharpness, Erase Frame, Copy ID Card, Skip Blank Pages, Free Size Original, Color Mode, Reserved Copy, Copy Sample
Scan Specifications[11]	
Type	Single-Pass Duplexing Automatic Document Feeder
Document Feeder Paper Capacity	Up to 50 Sheets (20 lb. Bond)
Document Feeder Supported Media Sizes	Document Feeder Media Size: Legal, Letter, Statement, Custom Size: 1-7/8" x 3-3/8" to 8-1/2" x 14"
Document Feeder Media Weights	One-Sided/Two-Sided Continuous Scanning: 13.3 lb. Bond to 27.9 lb. Bond (50 to 105 gsm)
Platen Scanning Size	Up to 8-1/2" x 14"

Pull Scan Specifications	Color Network ScanGear2. For both TWAIN and WIA Supported OS: Windows® 10/11/Server 2016/Server 2019/Server 2022/Server 2025. As of Dec. 2024.
Scan Resolution (dpi)	Scan for Copy: Up to 600 dpi x 600 dpi Scan for Send: (Push, BW) Up to 600 dpi x 600 dpi, (Pull, BW) Up to 600 dpi x 600 dpi (Push, CL) Up to 300 dpi x 300 dpi, (Pull, CL) Up to 300 dpi x 300 dpi Scan for Fax: Up to 600 dpi x 600 dpi
Scan Method	Push Scan, Pull Scan, Scan to Network, Scan to USB Memory Key, Scan to Mobile Devices, Scan to Cloud (uniFLOW Online)
Scan Speed (Letter, BW/CL)	One-Sided Scanning: 50/50 (300 x 300 dpi, send), 50 (300 x 600 dpi, copy) Two-Sided Scanning: 100/100 (300 x 300 dpi, send), 100 (300 x 600 dpi, copy)
Send Specifications[11]	
Destination	Standard: E-mail/Internet FAX (SMTP), SMB, FTP, WebDAV, Mail Box Available OAuth 2.0 authentication method on Microsoft 365 and Google Workspace
Address Book	LDAP (2,000)/Local (1,600)/Speed dial (200)
Communication Protocol	File: FTP (TCP/IP), SMB (TCP/IP), WebDAV E-mail/I-Fax: SMTP, POP3
File Format	TIFF (MMR), JPEG, PDF (Compact, OCR (Text Searchable), Optimize for Web, PDF/A-1b, Trace&Smooth, Encrypted, Device Signature, User Signature, XPS (Compact, Device Signature, User Signature), Office Open XML (PowerPoint, Word)
Send Features	Original Type Selection, Two-sided Original, Book to Two Pages, Different-size Originals, 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
Fax Specifications[12]	
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	Legal, Letter, Statement
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), Direct Send, Delayed Send, Preview, Job Done Notice, TX Report, Interrupt Transmission, Sequential Broadcasting, Password/Subaddress Sending, Confidential Mailbox, 2 on 1 Log

Security Specifications	
Authentication and Access Control	1643/1643F: 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/uniFLOW[13] (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), Microsoft Entra ID Authentication (Password Login, Card Login), Two-Factor Authentication at LUI/RUI, Access Management System (Access Control)
	1643P: User Authentication (Card Login, Username and Password Login), Department ID Authentication (Depertment ID and PIN Login, Function Level Login), uniFLOW Online/uniFLOW[13] (PIN Login, Card Login, Card and PIN Login), Microsoft Entra ID Authentication (Card Login), Two-Factor Authentication at RUI, Access Management System (Access Control)
Document Security	1643/1643F: Print Security (Secure Print, Encrypted Secure Print, Forced Hold Printing, uniFLOW Secure Print[13]), Receive Data Security (Confidential Fax Inbox Forwarding Received Documents Automatically), Scan Security (Encrypted PDF, Device Signature PDF/XPS, User Signature PDF/XPS), 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)
	1643P: Print Security (Secure Print, Encrypted SecurePrint, Forced Hold Printing, uniFLOW Secure Print[13])
Network Security	1643/1643F: TLS 1.3 (FIPS 140-3), IPSec (FIPS 140-3), IEEE802.1X authentication, SNMPv3, Firewall Functionality (IP/MAC Address Filtering), Dual Network Support (Wired LAN/ Wireless LAN, Wired LAN/Wired LAN), WPA3 support (Wi-Fi), Enabling/Disabling (Network Applications, Remote UI, USB Interface), G3 FAX separation from LAN, USB Port separation from LAN, Scan and Send -Virus Concerns for E-mail Reception, Cooperating with External Security Audit System (SIEM: Security Information and Event Management)[14]
	1643P: TLS 1.3 (FIPS 140-3), IPSec (FIPS 140-3), IEEE802.1X authentication, SNMPv3, Firewall Functionality (IP/MAC Address Filtering), Dual Network Support (Wired LAN/ Wireless LAN, Wired LAN/Wired LAN), WPA3 support (Wi-Fi), Enabling/Disabling (Network Applications, Remote UI, USB Interface), USB Port separation from LAN, Scan and Send -Virus Concerns for E-mail Reception, Cooperating with External Security Audit System (SIEM: Security Information and Event Management)[14]
Device Security	1643/1643F: Standard Storage Initialize, Job Log Conceal Function, Protecting MFP Software Integrity: Verify System at Startup (NIST SP800-193: Protection), Checking MFP Software Integrity & Platform Firmware Resiliency: Automatic System Recovery (NIST SP800-193: Recovery)[15], Runtime Intrusion Detection: Trellix Embedded Control[16]
	1643P: Standard Storage Initialize, Job Log Conceal Function, Protecting MFP Software Integrity: Verify System at Startup (NIST SP800-193: Protection), Checking MFP Software Integrity & Platform Firmware Resiliency: Automatic System Recovery (NIST SP800-193: Recovery)[15], Runtime Intrusion Detection: Trellix Embedded Control[16]
Device Management and Auditing	Administrator Password, Digital Certificate And Key Management, Audit Log, Cooperating with External Security Audit System (Security Information and Event Management), Security Policy Setting

Environmental Specifications	
Operating Environment	Temperature: 50 to 86 ºF(10 to 30 ºC) Humidity: 20 to 80 % RH (Relative Humidity/No condensation)
Power Requirements	1643/1643F: 110-127V, 60 Hz, 6.4 A 1643P: 110-127V, 60 Hz, 6.2 A
Power Consumption	Maximum: Approx. 1,400 W Sleep Mode: Approx. 1.0 W[17] Typical Electricity Consumption (TEC)[18] 120V/US imageFORCE 1643 : 0.39 kWh imageFORCE 1643F : 0.39 kWh imageFORCE 1643P : 0.37 kWh
Environmental Standards	ENERGY STAR® certified EPEAT Silver
Consumables	
Toner Cartridges	T06 TONER BK[19]
Toner Yield (Estimated @8.5% Coverage)	20,500 impressions
Paper Source Options[20]	
PAPER FEEDER PF-C1	Paper Capacity: 550 Sheets Paper Type: Thin, Plain, Recycled, Color, Heavy, Bond, Letterhead Paper Size: Letter, Legal, Statement, Executive Custom Size: 4-1/8" x 5-7/8" to 8-1/2" x 14"

[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 exiting Sleep mode to when printing is operational.
[3] Time from device power-on until print ready (not print reservation).
[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 provider's Terms and Conditions.
[7] Need to select the [Use Mopria] check box [OK].
[8] Need to select the [Use AirPrint] check box [OK].
[9] Optional PCL International Font Set-A1 is required.
[10] Optional Barcode Printing Kit-D1 is required.
[11] Only applies to 1643/1643F models.
[12] Only applies to 1643F model.
[13] Requires optional uniFLOW Online/uniFLOW.
[14] Third-party SIEM system required. Subject to third-party SIEM system's Terms and Conditions.
[15] This feature is off by default and must be turned on by the administrator. Warm up times are affected once turned on.
[16] Canon cannot ensure compatibility with all third-party SIEM systems.
[17] 1.0 W is not available in all circumstances due to certain settings.
[18] ENERGY STAR Product Specification for Imaging Equipment Version 3.2.
[19] Includes toner, drum, developer, and waste toner hopper.
[20] Paper capacity may vary with different paper types/sizes.

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