

Image Scanner

RICOH fi-7300NX Datasheet

Scanner

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Gateway to flexible capture

The fi-7300NX boasts a speed of 60 ppm/120 ipm (200/300 dpi) for scanning A4 portraits, loads up to 80 sheets at a time, and ensures utmost efficiency with 5 GHz* Wi-Fi and Ethernet support.

Seamless integration into client systems

Scan from the scanner's touch screen without any operation of the PC. Simply authenticate your ID and select from displayed client-specific job profiles. Not only is efficient and secure decentralized data entry possible, but single units can also be shared within numerous clients. Unlike the typical scanner, the fi-7300NX is no longer tethered to the PC and can be placed wherever desired. Users can also scan from mobile or web applications opened up on smart devices or thin client terminals. Providing various scanning methods, the fi-7300NX enables use of a variety of devices for scanning operations to suit all client needs.

Reduced operation cost with centralized management

Manage user authentication, job menu, and every other scan setting on up to 1,000 scanners, with PaperStream NX Manager and Scanner Central Admin. Users do not have to worry about keeping an eye out on each distant office and branch, as all data is gathered to a single platform. With both server software, there is no need for the conventional single client

computer to scanner environment and the system administrator to stand by the scanner.

Hardware easy to use for any client

Perform operations and view error messages and instructions with user-friendly illustrations, all on the 4.3 inch touch screen. Assign fixed operations to each scanner with the fi-7300NX supporting a variety of authentication methods.

SDK provision for more flexibility

Use the provided PaperStream NX Manager SDK to integrate with client systems and applications. Select out of three APIs—the REST API, Authentication API, and Connector API—based on whatever application needs to be developed. Need to develop web applications to carry out scanning functions? Web applications that need authentication functions? Or an interface to link PaperStream NX Manager to other business systems or OCR/document management software? These three APIs are here to support the development of whatever application is necessary to integrate with your business system.

*5 GHz Wi-Fi availability may vary across regions.

Technical Information

Scanner Type	ADF (Automatic Document Feeder) / Manual Feed, Duplex
Scanning Speed ^{*1} (A4 Portrait) (Color ^{*2} /Grayscale ^{*2} / Monochrome ^{*3})	Simplex: 60 ppm (200/300 dpi) Duplex : 120 ipm (200/300 dpi)
Image Sensor Type	Color CCD x 2 (front x 1, back x 1)
Light Source	White LED Array x 2 (front x 1, back x 1)
Optical Resolution	600 dpi
Output Resolution ^{*4} (Color / Grayscale / Monochrome)	50 to 600 dpi (adjustable by 1 dpi increments), 1,200 dpi (driver) ^{*5}
Output Format	Color: 24-bit, Grayscale: 8-bit, Monochrome: 1-bit
Background Colors	White / Black (selectable)
Document Size	
Maximum ^{*6}	216 x 355.6 mm (8.5 x 14 in.)
Minimum ^{*7}	50.8 x 54 mm (2 x 2.1 in.)
Long Page Scanning ^{*8}	5,588 mm (220 in.)
Paper Weight (Thickness)	
Paper	27 to 413 g/m ² (7.2 to 110 lb) ^{*9}
Plastic Card	1.4 mm (0.055 in.) or less ^{*10}
ADF Capacity ^{*11*12}	80 sheets (A4 80 g/m ² or Letter 20 lb)
Expected Daily Volume ^{*13}	9,000 sheets
Multifeed Detection	Overlap detection (Ultrasonic sensor), Length detection
Paper Protection	Lag detection, Sound detection (iSOP) ^{*14}
Display	4.3 in. TFT color touch screen
Authentication	Keyboard (on touch screen), NFC
Interface	
USB	USB 3.1 Gen1 / USB 2.0 / USB 1.1
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T
Wi-Fi	IEEE802.11 a/b/g/n/ac Frequency band: 2.4 GHz / 5 GHz
Network Protocols	IPv4 ^{*15} , TCP, UDP, ICMP, DHCP, HTTP/HTTPS, DNS
Power Requirements	AC 100 to 240 V ±10 %
Power Consumption ^{*16}	
Operating	42 W or less
Power Saving	2.4 W or less
Power Off	0.35 W or less

Operating Environment	
Temperature	5 to 35 °C (41 to 95 °F)
Relative Humidity	20 to 80% (non-condensing)
Environmental Compliance	ENERGY STAR®, RoHS
Dimensions ^{*17} (Width x Depth x Height)	300 x 202 x 170 mm (11.8 x 7.9 x 6.6 in.)
Weight	4.9 kg (10.8 lb) or less
Supported Operating System	Windows® 11 ^{*18} , Windows® 10 ^{*18} , Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012 R2, Windows Server® 2012
Software / Drivers	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver ^{*19} , PaperStream Capture, PaperStream ClickScan ^{*20} , Software Operation Panel, Network Setup Tool , Error Recovery Guide, ABBYY FineReader for ScanSnap™ ^{*20} , Scanner Central Admin Server
Image Processing Functions	Error diffusion, Dither
Included Items	Chuter unit, AC cable, AC adapter, USB cable, Setup DVD-ROM

PaperStream NX Manager Information

Server Requirements ^{*21}	
CPU	3.5 GHz quad core or faster
Memory Capacity	16 GB or more
Disk Capacity	120 GB or more free hard disk space
Registrable Units	Up to 1,000 scanner units
Registrable Users	Up to 3,000 users total per server
Creatable Jobs	Up to 1,000 jobs
Supported Operating System	Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012 R2, Windows Server® 2012

Options

Carrier Sheets	PA03360-0013	Each package contains 5 carrier sheets
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Consumables

Brake Roller	PA03670-0001	Every 200,000 sheets or one year
Pick Roller	PA03670-0002	Every 200,000 sheets or one year
Cleaner F1	PA03950-0352	100 ml bottle for Roller cleaning
Cleaning Wipe	PA03950-0419	1 pack (24 sheets) for Roller cleaning
Cleaning Paper	CA99501-0012	1 pack (10 sheets) for use with Cleaner F1

*1 Scanning speeds may vary due to the system environment. For details, please visit our website at: <https://www.pfu.ricoh.com/global/scanners/fi/>. *2 Indicated speeds are from using JPEG compression. *3 Indicated speeds are from using TIFF CCITT Group 4 compression. *4 Selectable maximum resolution may vary depending on the length of the scanned document. *5 Some limitations may apply to the size of documents that can be scanned, depending on system environment, when scanning at high resolution (over 600 dpi). *6 Scans folded documents of up to 297 x 432 mm (11.7 x 17 in.) with carrier sheet scanning. *7 Capable of scanning in both portrait and landscape orientation. *8 Capable of scanning documents with dimensions exceeding that of A4 (210 x 297 mm / 8.3 x 11.7 in.) sizes. When using PaperStream IP (TWAIN/ISIS), resolutions are limited to 200 dpi or less when scanning documents > 5,461 mm (215 in.) to ≤ 5,588 mm (220 in.). When using PaperStream NX Manager, resolutions are limited to 300 dpi or less with simplex scanning of documents ≤ 1828.8 mm (72 in.) and duplex scanning of documents ≤ 863.6 mm (34 in.). Long page scanning is not available when using PaperStream NX Manager to scan from web browsers or smart devices and thin clients. *9 Thicknesses of up to 128 to 209 g/m² (34 to 56 lb) can be scanned for A8 (52 x 74 mm / 2.1 x 2.9 in.) sizes. *10 Capable of scanning up to 3 cards at a time (Note: does not set more than one embossed card at a time). *11 Maximum capacity depends on paper weight and may vary. *12 Capable of setting additional documents while scanning. *13 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *14 Intelligent Sonic Paper Protection. *15 IPv6 is not supported. *16 Scanner automatically enters power saving mode when not used and powers off by default when not used for 4 hours. *17 Excludes the ADF paper chute and stacker. *18 fi Series scanners do not run with Windows® 11 and 10 ARM-based PCs. *19 Functions equivalent to those offered by PaperStream IP may not be available with the WIA Driver. *20 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *21 To use NX Manager on Windows, you need to purchase a CAL (Client Access License). For details about Client Access Licenses, please contact Microsoft.

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Safety Precautions

Be sure to carefully read all safety precautions prior to using this product and use this device as instructed. Do not place this device in wet, moist, steamy, dusty or oily areas. Using this product under such conditions may result in electrical shock, fire or damage to this product. Be sure to limit the use of this product to listed power ratings.

ENERGY STAR®

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