

Image Scanner

RICOH fi-8040 Datasheet

Scanner

RICOH
imagine. change.



Touchpoint for direct information sharing

- "DirectScan" breakthrough.
- Workflow efficiency.
- User experience enhanced.

"DirectScan" breakthrough. PC-less network compatibility

The fi-8040 comes with the new "DirectScan" function that opens businesses to new options to meet real-world productivity. Compact and equipped with a user-friendly 4.3-inch touch screen, the fi-8040 reliably scans A4 portraits at 40 ppm/80 ipm (200/300 dpi), enables PC-less scans and attaches the scans to emails directly. It also saves scanned data directly to network folders by setting destination storage locations in advance. The setting can be done easily with a web browser for a single unit or with the new "Scanner Central Admin Desktop" software for multiple units.

Seamless integration with client systems. Workflow efficiency

Use the "PaperStream NX Manager" to link scanned data to business software applications and cloud services. Explore enhanced workflow efficiency, implement work operations smoothly to include wider variety of locations on trusted and stable environment.

Boosted usability and flexibility for any environment

Achieve better user experience with the touch screen on its compact body. Check scanned data before saving, attaching and sending scans, all on the touch screen. Scan a wide variety of documents, including plastic cards and A3, bi-folded, and multi-layered documents without the need for carrier sheets with just a switch to the Manual Feed Mode. Flexible LAN and USB 3.2 connectivity options free users from having to standby a computer when scanning.

Optimized high-quality image. More software functionalities.

"PFU Clear Image Capture", a dedicated, image correction technology that redefines the benchmark for high quality image capture. The scanner driver, "PaperStream IP", compatible with standard ISIS and TWAIN applications, is a simplified and user-friendly interface that provides icon visibility for uncomplex setting configurations. The driver automatically produces clear image data, supporting OCR accuracy. Link up with the PaperStream IP, the "PaperStream Capture" to efficiently feed information into organization workflows with automatic utilization of data extracted from barcodes and zonal OCR, further streamlining mundane tasks.

Technical Information

Scanner Type	ADF (Automatic Document Feeder)/Manual Feed, Duplex
Scanning Speed*1 (A4 Portrait) (Color*2/Grayscale*2/ Monochrome*3)	Simplex: 40 ppm (200/300 dpi) Duplex : 80 ipm (200/300 dpi)
Image Sensor Type	CIS x 2 (front x 1, back x 1)
Light Source	RGB LED 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
Document Size	
Maximum	216 x 355.6 mm (8.5 x 14 in.)
Minimum	50.8 x 50.8 mm (2 x 2 in.)
Long Page Scanning*6 (Maximum)	5,588 mm (220 in.)
Paper Weight (Thickness)	
Paper	40 to 209 g/m ² (11 to 56 lb)*7
Plastic Card	0.76 mm (0.0299 in.) or less*8
ADF Capacity*9*10	50 sheets (A4 80 g/m ² or Letter 20 lb)
Expected Daily Volume*11	6,000 sheets
Multifeed Detection	Overlap detection (Ultrasonic sensor), Length detection
Interface	
USB	USB 3.2 Gen1/USB 3.0/USB 2.0/USB 1.1
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T
Power Requirements	AC 100 to 240 V ±10 %
Power Consumption	
Operating Mode	19 W or less
Sleep Mode	1.9 W or less (Normal mode)
Auto Standby (Off) Mode	0.15 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*12 (Width x Depth x Height)	292 x 157 x 143 mm (11.5 x 6.2 x 5.6 in.)
Weight	3.1 kg (6.8 lb)
Supported Operating System	Windows 11*13, Windows 10*13, Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016, macOS*14, Linux (Ubuntu)*14
Software / Drivers*16	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver*15, PaperStream Capture, PaperStream ClickScan, PaperStream NX Manager, Software Operation Panel, Error Recovery Guide, PaperStream Central Admin
Image Processing Functions*17	Multi image output, Automatic color detection, Blank page detection, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, Dither, Static threshold, De-Screen, Emphasis, Dropout color (None/Red/Green/Blue/White/Saturation/Custom), sRGB output, Split image, De-Skew, Edge filler, Vertical streaks reduction, Cropping, Rotation, Barcode detection (1D&2D), Background pattern removal
Included Items	ADF paper chute, AC cable, AC adapter, USB cable, Setup DVD-ROM

Options

PaperStream Capture Pro	PA43404-B403	One year license of PaperStream Capture Pro
PaperStream Capture Pro Premium	PA43404-B421	One year license of PaperStream Capture Pro Premium
Carrier Sheets	PA03360-0013	Each package contains 5 carrier sheets

Consumables

Roller Set S	PA03750-0001	Brake Roller Pick Roller	Every 200,000 sheets*18
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*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 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 Capable of scanning documents longer than A4 (210 x 297 mm / 8.3 x 11.7 in.) sizes. When using PaperStream IP (TWAIN/ISIS) to scan at 200 dpi, the maximum scanning length is 5,588 mm (220 in.). *7 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. *8 Multiple cards cannot be set continuously (Note: capable of scanning embossed cards). *9 Maximum capacity depends on paper weight and may vary. *10 Capable of setting additional documents while scanning. *11 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *12 Excludes the ADF paper chute and stacker. *13 fi Series scanners do not run with Windows 11 and 10 ARM-based PCs. *14 Supports only USB connections. *15 Functions equivalent to those offered by PaperStream IP may not be available with the Image Scanner Driver for macOS/Linux or WIA Driver. *16 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *17 Some functions do not apply when using the "DirectScan" function. Refer to the fi Series Support Site for the latest functions. *18 Replacement cycles are guidelines for using A4 documents (80 g/m² [20 lb]). These cycles vary depending on the type of documents scanned, how often the scanner is used and cleaned, and your operating environment.

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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®

PFU Limited has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a registered trademark of the United States.