Image Scanner

RICOH fi-8600
Datasheet

☑ Scanner



Capture mixed, fragile, and exception documents at production speeds, with reliable feeding, intelligent processing, and network-ready flexibility

Product Overview

The RICOH fi-8600 is the ADF-only model in the RICOH fi-8700 Series. It scans diverse documents at up to 100 ppm, while its 300-sheet paper chute supports efficient batch scanning.

Fast and Reliable Scanning

The ADF supports paper weights from 20 to 413 g/m², accommodating documents ranging from thin paper to plastic cards, as well as long documents. The straight paper path reliably feeds thick documents and envelopes. The Paper Protection function detects abnormal sounds and paper feed irregularities to help prevent document damage, allowing users to scan important documents with confidence. The Skew Reducer prevents a skewed document from causing subsequent documents to feed at an angle, helping prevent missing image edges.

Flexible Installation and Operation

In addition to USB connectivity, wired LAN connectivity enables more flexible scanner placement. The fi-8600's compact footprint makes it easy to install in limited spaces. Easy-to-read color LCDs on both sides clearly display selected settings, the number of sheets scanned, and error status, making information easy to check regardless of scanner placement.

Software That Streamlines Workflows

PaperStream IP and PaperStream Capture are included as standard. The PaperStream IP scanner driver supports both TWAIN and ISIS and automatically optimizes scanned images, reducing the need to fine-tune OCR settings. It improves OCR accuracy even when scanning documents with patterned backgrounds or documents that are wrinkled or soiled. Working seamlessly with PaperStream IP, PaperStream Capture streamlines batch scanning and uses data extracted from barcodes and patch codes to automatically determine file destinations, reducing routine manual work.

PaperStream ClickScan is also included as standard. It allows users to select the save location and filename for each scan through a simple three-step process.

Technical Information

Scanner Type	ADF (Automatic Document Feeder)/Manual Feed, Duplex
Scanning Speed[*1] (A4 Landscape) (Color[*2]/Grayscale[*2]/Monochrome[*3])	Simplex: 100 ppm (200/300 dpi) Duplex : 200 ipm (200/300 dpi)
Scanning Speed[*1] (A4 Portrait) (Color[*2]/Grayscale[*2]/Monochrome[*3])	Simplex: 80 ppm (200/300 dpi) Duplex : 160 ipm (200/300 dpi)
Image Sensor Type	Color CCD x 2 (front x 1, back x 1)
Light Source	White LED Array x 4 (front x 2, back x 2)
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	304.8 x 431.8 mm (12 x 17 in.)
Minimum	50.8 x 69 mm (2 x 2.7 in.) (Portrait)
Long Page Scanning[*6]	5,588 mm (220 in.)
Paper Weight (Thickness)	
Paper	20 to 413 g/m2 (5.3 to 110 lb) Less than A8 size: 128 to 209 g/m2 (34 to 56 lb)
Plastic Card	Up to 1.4 mm[*7]
ADF Capacity[*8]	300 sheets (A4 80 g/m2 or Letter 20 lb)
Expected Daily Volume[*9]	44,000 sheets
Multifeed Detection	Overlap detection (Ultrasonic sensor), Length detection
Paper Protection	Lag detection, Sound detection (iSOP)[*10]
Interface	
USB	USB3.2 Gen1x1/USB3.0/USB2.0/USB1.1 (Connector Type: Type-B)
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T
Power Requirements	AC 100 to 240 V ±10%
Power Consumption	
Operating Mode	55 W or less
Sleep Mode	USB: 1.7 W or less/Ethernet: 2.6 W or less
Auto Standby (Off) Mode	0.3 W or less

Operating Environment	
Temperature	5 to 35 °C (41 to 95 °F)
Relative Humidity	15 to 80% (non-condensing)
Environmental Compliance	ENERGY STAR, RoHS, EPEAT
Dimensions[*11] (Width x Depth x Height)	236 x 432 x 214 mm (9.3 x 17.0 x 8.4 in.)
Weight	11 kg (24 lb)
Supported Operating System	Windows 11[*12], Windows 10[*12], Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016
Software/Drivers[*14]	PaperStream IP driver (TWAIN/TWAIN x64/ISIS), WIA Driver[*13], PaperStream Capture, PaperStream ClickScan, Software Operation Panel, Network Set-up Tool, Error Recovery Guide, PaperStream Central Admin
Image Processing Functions	Multi image output, Automatic color detection, Blank page detection, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, Dither, De-Screen, Emphasis, Dropout color (None/Red/Green/Blue/White/Saturation/Custom), sRGB output, Hole punch removal, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Cropping, Static threshold, Divide long page
Included Items	Stacker, ADF paper chute, AC cable, AC adapter, USB cable

Options

Post Imprinter (FI-760PRB)	PA03740-D101	Back-side printing on document
PaperStream Capture Pro Premium	PA43404-B421	One year license of PaperStream Capture Pro Premium

Consumables

Brake Roller	PA03740-K010	Every 250,000 sheets[*15]
Pick Roller	PA03740-K011	Every 250,000 sheets[*15]
Print Cartridge	CA00050-0262	4,000,000 printed characters

*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 that exceed Legal sheets in length. Long page scanning supports documents with lengths of up to 5,588 mm (220 in.) when the resolution is set to 200 dpi or less. Documents of up to 200m (218.8 yd.) can be scanned if scans of long page documents are split into multiple pages. *7 Capable of scanning up to 3 cards at a time. (Note: does not set more than one embossed card at a time.) *8 Maximum capacity depends on paper weight and may vary. *9 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *10 Intelligent Sonic Paper Protection. *11 Excludes the ADF hopper and stacker. *12 Not supported on ARM-based Windows PCs. *13 Functions equivalent to those offered by PaperStream IP may not be available with the WIA Driver. *14 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *15 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.

Trademarks
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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.

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