Imaging Scanners

RICOH
fi-8600 & fi-8700

☑ Scanner





Flexible intelligent document processing at scale.

The RICOH fi-8600, fi-8700S and fi-8700 are production-class document scanners engineered for document-intensive environments, where efficiency depends on processing large volumes of mixed, varied and exception documents quickly and accurately.

Versatile document handling and flatbed capture capabilities capture everything from standard business documents to fragile records, bound materials, envelopes, thick media and oversized documents, without introducing complex workarounds. While on the flatbed models, the ability of the ADF to slide left and right, and rotate 180 degrees means comfortable loading from either side and highly flexible deployment.

Combining scan speeds of up to 100 ppm / 200 ipm (75ppm/75ipm for fi-8700S), a 300-sheet ADF, and continuous feeding capabilities, these scanners deliver exceptional throughput. On the fi-8700S and fi-8700, the integration of a production ADF with a high-speed A3 flatbed scanner enables operators to capture bound, fragile and irregular documents within the same workflow, eliminating the need to switch devices or create separate capture processes.

With Timer Scan and Multi-Crop functions plus an A4 scan speed of 0.6 seconds, the flatbed enables difficult documents to be digitised quickly without becoming a throughput bottleneck. Stoppages and manual effort are minimised, operational continuity is maximised.

Accurate, powerful automation further increases efficiency and control while reducing rework. The PaperStream IP driver cleans, enhances and optimises images for high-accuracy OCR and downstream processing. PaperStream Capture streamlines batch scanning via automated document separation and extraction of printed text and barcode data. It also incorporates tools for reviewing captured images and data before output.

Upgrading to PaperStream Capture Pro or Pro Premium adds enhanced data extraction from registered forms, including barcodes, tick boxes and non-cursive handwritten text. While configurable data checks and recognition-confidence thresholds help operators identify information requiring review before release.

LAN connectivity and centralised administration options support implementation across individual departments, centralised capture operations or distributed scanning environments.

The result is a versatile, network-ready scanning platform that helps organisations efficiently process high volumes of mixed and irregular documents at speed, reducing the need for separate devices, manual intervention and workflow workarounds, while maintaining consistently accurate capture across demanding document operations.

Versatility – For documents and scenarios other devices cannot handle.

Mixed and fragile document handling (fi-8700 & fi-8700S)

The integrated A3 flatbed and straight-through ADF paper path enable reliable capture of bound, fragile, oversized and irregular documents without workflow disruption.

Broad media support

Handles documents from 20-413 gsm, including envelopes, plastic cards, folded drawings and long documents up to 5,588 mm.

Flexible deployment

LAN connectivity, rotating ADF options and an intuitive LCD interface support deployment across a wide range of operational environments.

Reliable feeding and protection

Lag Detection and Intelligent Sonic Paper Protection help prevent misfeeds and reduce the risk of document damage.

Document traceability

The fi-8600 supports an optional post-imprinter that prints identifiers on the reverse of documents after scanning, helping link physical originals to their digital records.

Exceptional Throughput – High-speed, uninterrupted operation



Production-class performance

Scanning speed of up to 100 ppm / 200 ipm delivers high-volume capture for demanding document workflows.

Fast exception capture

The A3 flatbed models enable capture of irregular A4 documents in just 0.6 seconds (200/300dpi), A3 in 0.9 seconds. Their Timer Scan feature delivers automatic scanning at fixed intervals for bound documents, while the Multi-Crop function allows several items to be captured as separate image files in a single scan.

High-capacity feeding

A 300-sheet ADF hopper reduces reload frequency and interruptions.

Reduced manual intervention

Continuous feeding and skew reduction help maximise operational continuity.

Accurate, Powerful Automation – Increase efficiency and control, reduce rework.

OCR-ready image quality

PaperStream IP cleans, enhances and optimises captured images for high-accuracy OCR and downstream processing.

Intelligent form capture

PaperStream Capture Pro Premium (available via upgrade) extracts barcodes, tick boxes and non-cursive handwriting from forms.

Workflow automation

PaperStream Capture Pro combines automated data extraction, configurable validation checks and release to configured destinations. It increases efficiency and reduces rework, with tools to review and correct exceptions before information is released downstream.

Centralised management

PaperStream Central Admin supports centralised remote administration, monitoring and configuration across multiple locations.

PaperStream Central Admin helps maintain consistent production scanning environments for up to 51,000 devices across multiple locations. It enables centralised remote firmware updates, deployment of scan profiles and capture job settings, and monitoring of scanner status, errors and consumable replacement needs.



Summary

The RICOH fi-8600, fi-8700S and fi-8700 enable flexible, intelligent document processing at scale. Combining versatile document handling and deployment options, production-level throughput and advanced automation, they deliver uninterrupted network-ready capture at speed, for high volumes of mixed, fragile and exception documents.

PaperStream

Bundled software

PaperStream IP
A scanner driver that cleans and optimises image files for faster, lower-cost access and storage.

PaperStream IP Net
For flexible, adaptable capture architectures.

PaperStream Capture
Streamlines and automates capture into workflows.

PaperStream ClickScan
Ad-hoc scanning with a single touch.

PaperStream Central Admin
Scalable real-time, remote management of up to 51,000 scanners.

Specifications

For full specifications : www.pfu-emea.ricoh.com

Model	fi-8600	fi-8700
Supported operating systems	See http://www.pfu-emea.ricoh.com for further information	
Scanner type	ADF (automatic document feeder)	ADF (automatic document feeder) and Flatbed
Scanning modes	Simplex / Duplex with continuous feeding, Colour / Greyscale / Mono	
Image sensor type	Colour CCD (charge-coupled device) x 2	Colour CCD (charge-coupled device) x 3
Light source	White LED Array x 4	White LED Array x 6
Multi-feed detection	Ultrasonic multi-feed detection sensor, paper detection sensor	
Document size	ADF Minimum: 50.8 x 69 mm portrait / Maximum: 304.8 x 431.8 mm Long page scanning: 5,588 mm*1	
	–	Flatbed Maximum: 304.8 x 457.2 mm
Recommended paper weight*2	20 to 413 g/m² / supports 128 to 209 g/m² for A8 size ID card types, Embossed card 1.4 mm or less*3	
Scanning speed (A4 Landscape)*4 Colour*5 / Greyscale*5 / Mono*6	Simplex: 100 ppm (200/300 dpi) Duplex: 200 ipm (200/300 dpi)	Simplex: 100 ppm (200/300 dpi), Duplex: 200 ipm (200/300 dpi) Flatbed: 0.6 seconds (200/300 dpi)
Scanning speed (A4 Portrait)*4 Colour*5 / Greyscale*5 / Mono*6	Simplex: 80 ppm (200/300 dpi) Duplex: 160 ipm (200/300 dpi)	Simplex: 80 ppm (200/300 dpi), Duplex: 160 ipm (200/300 dpi) Flatbed: 0.9 seconds (200/300 dpi)
Paper chute capacity*7	300 sheets (A4: 80 g/m²)	
Background colours	White / Black (Selectable)	ADF: White / Black (Selectable) / Flatbed: White (Black is optional)
Optical resolution	600 dpi	
Output resolution*8 Colour / Greyscale / Mono	50 to 600 dpi (adjust by 1 dpi increments), 1,200 dpi (driver)*9	
Output format	Colour: 24 bit, Greyscale: 8 bit, Mono: 1 bit	
Standard output files	PDF, Searchable PDF, PDF / A, TIFF, Multi-Page TIFF, Bitmap, JPEG, JPEG2000	
Interface / Connector shape	USB 3.2 Gen 1/ 3.0 / 2.0 / 1.1 (Type-B Connector), Ethernet RJ45 10BASE-T/100BASE-TX/1000BASE-T	
Image processing functions	Multi image output, Automatic colour detection, Blank page detection, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, De-Screen,Emphasis, Halftone, Dropout colour (None /RGB/ White /Saturation /Custom), sRGB output, Hole punch removal, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Cropping, Dither, Static threshold, Divide Long Page, Brightness, Color, Shadow and Sharpness Adjustment, Automatic Rotation, Automatic Page Size Detection	
Power requirements	AC 100 to 240 V, ±10%	
Power consumption	Operating: 55W or less (Sleep mode: USB: 1.7W or less, LAN: 2.6W or less) Auto standby (OFF) mode: 0.3W or less	
Operating environment	Temperature: 5 to 35°C, Relative humidity: 20 to 80% (Non-condensing)	
Dimensions (W x D x H base unit)*10 / Weight	236 x 432 x 214 mm / 11 kg	706 x 500 x 345 mm / 35 kg
Supported Operating Systems	Windows® 11 (64 bit), Windows® 10 (32 bit / 64 bit), Windows Server® 2025 (64 bit), Windows Server® 2022 (64 bit), Windows Server® 2019 (64 bit), Windows Server® 2016 (64 bit)	
Included software / drivers	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS™), PaperStream IP Net, PaperStream Capture, PaperStream ClickScan, Software Operation Panel, Error Recovery Guide, Network Setup Tool for fi Series, PaperStream Central Admin Agent, fi Series Online Update	
Environmental compliance	ENERGY STAR® / RoHS*12	
Standard Warranty (included in the price of the product)	1 Year Standard Warranty: Onsite Service - Next Business Day Response	
Expected Daily Duty Cycle	44,000 Pages	

Consumables and Options	Order by Part Number	Remarks
Consumable Kit	CON-3740-500K	Includes 2x Pick Rollers and 2x Brake Rollers. Up to 500K scans.
Cleaning Kit	CON-CLE-K75	Includes 1x bottle of F1 cleaning fluid and Pack of 75x lint-free cloths for 75+ applications.
Post Imprinter (fi-760PRB)	PA03740-D101	Prints up to 43 alphanumerical characters on back side of scanned documents
Print Cartridge	CA00050-0262	Lifetime: 4,000,000 printed characters; fi-760PRB print head
Black Document Pad	PA03338-D960	For flatbed unit

Optional Service Plans *13	Order by Part Number	Service Description
Extended Warranty	U3-EXTW-LVP	3 Year Extended Warranty: Onsite Service - Next Business Day Response
Bronze Service Plan	U3-BRZE-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix
Silver Service Plan	U3-SILV-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +1 Preventative Maintenance per year
Gold Service Plan	U3-GOLD-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +2 Preventative Maintenance per year
Platinum Service Plan	U3-PLAT-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +3 Preventative Maintenance per year

Onsite Service = A visit by a technician with a spare parts kit to repair the product at your premises.
Preventative Maintenance = A scheduled visit by a technician to disassemble, clean, lubricate, recalibrate, reassemble and test.

*1 The fi-8600 and fi-8700 are capable of scanning documents that exceed A4 in length: Documents up to 5,588 mm in length can be scanned at resolutions up to 200 dpi.
*2 The paper weight only applies to using the ADF.
*3 Capable of scanning up to 3 cards at a time when using the ADF. (Note: only one embossed card can be scanned at a time)
*4 Actual scanning speeds are affected by data transmission and software processing times.
*5 JPEG compressed figures.
*6 TIFF G4 compressed figures.
*7 Maximum capacity varies, depending upon paper weight.
*8 Maximum output resolutions may vary, depending upon the size of the area being scanned and whether the scanner is scanning in simplex or duplex.
*9 Scanning limitations due to scanning mode, document size and available memory may occur when scanning at high resolutions (600 dpi or higher).
*10 Excluding the ADF paper chute and Stacker.
*11 The software can be downloaded from the website designated in the Setup DVD-ROM.
*12 PFU LIMITED, a RICOH company, has determined that this product meets RoHS requirements (2011/65/EU)
*13 Geographic Limitations may apply to Service Plans and Service Levels in some countries. Please contact us for more information.
*14 Included PaperStream Capture software can recognize 1D barcodes (UPC-A/EAN/JAN, Code 3 of 9, Code 128/EAN128, Codabar (NW7), ITF), but with this addition it can recognize 2D barcodes, such as PDF417, Aztec, Datamatrix and QR code

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