Imaging Scanners

# RICOH fi-8600, fi-8700S & fi-8700

☑ Scanner

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# 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 1.2 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.

# Technical Specifications

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

| Product Name | | RICOH fi-8600 | RICOH fi-8700 | RICOH fi-8700S |
|---|---|---|---|---|
| Scanner Type | | ADF (Automatic Document Feeder), Duplex Production Scanner | ADF (Automatic Document Feeder), Duplex / Flatbed Production Scanner | ADF (Automatic Document Feeder), Simplex / Flatbed Production Scanner |
| Scanning Speed (A4 200/300 dpi)[1] (Colour/Greyscale/ Monochrome) | ADF Portrait | Simplex: 80 ppm / Duplex: 160 ipm | | 58 ppm / 58 ipm |
| | ADF Landscape | Simplex: 100 ppm / Duplex: 200 ipm | | 75 ppm / 75 ipm |
| | Flatbed | N/A | Portrait: 0.9 seconds / Landscape: 0.6 seconds | |
| Expected Daily Volume | | 44,000 pages[2] | | 33,000 pages[2] |
| ADF Capacity / ADF Paper Path Type | | 300 × A4: 80 g/m² (300 × Letter 20 lb) / Straight Paper Path | | |
| ADF Background Colour | | White / Black (Selectable) | | |
| Image Sensor Type | | CCD × 2 | CCD × 3 | CCD × 2 |
| Light Source | | White LED (Front & Back) | White LED (Front, Back & Flatbed) | White LED (Front & Flatbed) |
| Optical Resolution | | 600 dpi | | |
| Maximum Output Resolution | | 1200 dpi | | |
| Output Format | | Colour: 24-bit, Greyscale: 8-bit, Monochrome: 1-bit | | |
| Document Size | Standard Sizes | A3, A4, A5, A6, B5, B6, Business Card, Post Card, Letter, Double Letter, Legal and Custom Size. | | |
| | Maximum | 304.8 mm × 431.8 mm | | |
| | Minimum | 50.8 mm × 69.0 mm | | |
| | Long Page Scanning[3] | up to 5,588 mm | | |
| Paper Weight (Thickness) | Paper | 20–413 g/m² | | |
| | Plastic Card | ISO/IEC 7810 ID-1 (85.6 mm × 53.98 mm), max. thickness 1.4 mm | | |
| Paper Separation Method | | Brake Roller | | |
| Paper Handling & Paper Protection Features | | Manual Feed Mode, Ultrasonic Multi-Feed Detection (Paper overlapping & paper length monitoring), Intelligent Multi-Feed Function (iMFF), Intelligent Sonic Paper Protection (iSOP), Lag Detection, Automatic Page Size Detection (Length Detection) | | |
| Image Processing Functions | | AIQC, Assisted Scan, Automatic Colour Detection, Automatic Page Size Detection, Automatic Rotation, Automatic Profile Selection, Barcode/Patch Code Recognition, Blank Page Detection and Deletion, Continuous Scan, De-Skew and Cropping, Digital Endorser, Dropout Colour (None/Red/Green/Blue/White/Saturation/Custom), Edge Repair and Fill, Folded Document Scan (Carrier Sheet), Front Back Merging, Hole Punch Removal, Image Cleanup, Multi Image Output, Preview, Split Image, Switch by Code Sheet (Toggle Scan), Vertical Streaks Reduction, Dynamic Threshold (iDTC), Advanced DTC, SDTC, Error Diffusion, Dither, De-Screen, Emphasis, sRGB Output, Background Pattern Removal, Character Thickness, Character Augmentation, Character Extraction | | |
| Output Filetypes | | PDF, Searchable PDF, PDF/A, TIFF, Multi-Page TIFF, Bitmap, JPEG, JPEG2000 | | |
| Interface | USB | USB 3.2 Gen 1 × 1 / 3.0 / 2.0 / 1.1 (Type-B Connector) | | |
| | Ethernet | 10BASE-T, 100BASE-TX, 1000BASE-T | | |
| Power Requirements | | 100V–240V AC ±10 % (50 / 60 Hz) | | |
| Power Consumption | Operating | 55 W ≤ | | |
| | Sleep Mode | USB Connected: 1.7 W ≤ / Ethernet Connected: 2.6 W ≤ | | |
| | Auto Standby | 0.3 W ≤ | | |
| Operating Environment | Temperature | 5°C–35°C (41°F–95°F) | | |
| | Relative Humidity | 20%–80% (non-condensing) | | |
| Device Dimensions (W × D × H) | | 236 mm × 432 mm × 214 mm (9.3" × 17.0" × 8.4") | 706 mm × 500 mm × 345 mm (27.8" × 19.7" × 13.6") | |
| Device Weight (approx.) | | 11 kg (24.3 lb) | 35 kg (77.2 lb) | |
| Supported Operating Systems | | Windows 11 (x64), Windows 10 (x86 / x64), Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016. | | |
| Included Software / Drivers (via download) | | PaperStream IP, PaperStream Capture, PaperStream ClickScan, PaperStream Central Admin, PaperStream Central Admin Agent, Software Operation Panel, Error Recovery Guide, Network Setup Tool for fi Series, fi Series Online Update. | | |
| Recommended CPU | | Intel Core i5 (8th Generation or later) or AMD Ryzen 5 (3000 series or later) | | |
| Recommended RAM | | 8 GB ≥ | | |
| Package Contents | | Paper Chute, AC Adapter, EU/GB Power Cords, USB Cable, Getting Started Guide, Safety Precautions, Warranty Sheet, Downloadable Software. | | |
| Environmental & Regulatory Compliance | | ENERGY STAR, RoHS | | |
| Warranty | | 1 Year Manufacturer Warranty | | |

[1] Scanning speeds may be reduced if the recommended CPU and RAM specifications are not met.
[2] Daily scanning volume is a guide figure calculated using scanning speeds, standard document types and typical hours of scanner use. It does not guarantee daily volume or unit durability.
[3] Long page scanning supports documents up to 5,588 mm at 200 dpi or lower. Documents up to 200 m in length can be captured using multi-page long-document scanning.

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PFU (EMEA) Limited
Belmont
Belmont Road
Uxbridge, UB8 1HE
United Kingdom
Tel: +44 (0)20 8573 4444

PFU (EMEA) Limited
Humboldt Business Center-
Max-Planck-Str. 4, 3.OG
85609 Aschheim / Dornach
Germany
Tel: +49 (0)89 32378 0

PFU (EMEA) Limited
PFU (EMEA) Limited
11 Rue Baudin,
94200 Ivry-sur-Seine,
France
+33 62383 4711

PFU (EMEA) Limited
Viale Monza, 259
20126 Milano (MI)
Italy
Tel: +39 02 26294 1

PFU (EMEA) Limited
P.° de la Castellana, 259D
Planta 18
28046
Madrid
Spain
Tel: +34 91 7849000

www.pfu-emea.ricoh.com


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