Image Scanner

RICOH fi-800R
Datasheet

☑ Scanner

RICOH
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Compact and versatile scanner for the front office

The fi-800R scans A4 portrait documents at comfortable speeds of 40 ppm/80 ipm (200/300 dpi) and makes customer onboarding easy with its compact size and versatile scanning abilities.

Ultra compact footprint for limited spaces

The fi-800R is the perfect scanner when space is limited. Designed to fit in narrow office spaces, it comes equipped with Dual Path Mechanism, enabling scanning of a wider variety of documents. Satisfy all your scanning needs, from plastic cards to booklets, with a single device.

Versatile scanning functionalities

U-turn Scan using the ADF makes a small footprint even smaller. The stacker extends to provide neatly stacked output documents and returns to its original position once scanning has completed, so that users can easily start scanning their next batch.

Clever ID scanning for a great customer onboarding process

Using Return Scan, scan passports and ID up to 5 mm thick without using a carrier sheet. Simple one sheet scanning also no longer requires the hassle of opening the feeder. Clever operation and fast scanning speeds of a mere 3.5 seconds reduce customer wait times and help provide great customer experiences.

Stress-free operation with accurate paper feeding performance

Serve customers faster with the fi-800R's robust feeding functionalities. With Automatic Skew Correction functionality, documents are straightened one sheet at a time for precise paper feeding. Active Separation also adjusts pressure to ensure each sheet is separated and captured without any misfeeds. Confidently scan mixed batches and make customer onboarding more efficient.

Advanced software for maximized efficiency

Empower reception workflows and use information more efficiently with our enhanced PaperStream IP scanner driver and integrated PaperStream Capture software. With the MRZ Recognition function, the Machine Readable Zone on passports and ID cards are recognized and extracted as metadata for fast client retrieval. Users no longer need to organize documents or check if documents with photo IDs are scanned in face up, since the Front Side Detection function detects photos on ID cards and passports to automatically set pages with photos as the front side. With a few simple setting configurations, Automatic Profile Selection also allows documents to undergo image processing appropriate to each document format. All these functionalities work together to offer a wider variety of batch scanning features and make employees more efficient.

Technical Information

Scanner Type	ADF (Automatic Document Feeder) / Manual Feed, Duplex	
Scanning Speed[*1] (A4 Portrait) (Color[*2]/Grayscale[*2]/Monochrome[*3])		
ADF	Simplex: 40 ppm (200/300 dpi)	
	Duplex : 80 ipm (200/300 dpi)	
Manual Feed	3.5 seconds (200/300 dpi)	
Image Sensor Type	CIS x 2 (front x 1, back x 1)	
Light Source	RGB LED (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	215.9 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)		
ADF		
Paper	40 to 127 g/m² (11 to 34 lb)	
	For A6 or smaller: 40 to 209 g/m² (11 to 56 lb)	
	For A8 or smaller: 127 to 209 g/m² (34 to 56 lb)	
Manual Feed		
Paper	20 to 413 g/m² (5.4 to 110 lb)	
Plastic Card	1.4 mm or less	
Booklet	5 mm or less	
ADF Capacity[*7]	20 sheets (A4 80 g/m² or Letter 20 lb), 30 sheets (A4 52 g/m² or Letter 14 lb)	
Expected Daily Volume[*8]	4,500 sheets	
Multifeed Detection	Overlap detection (Ultrasonic sensor)	
Interface	USB 3.2 Gen1x1 / USB 2.0 / USB 1.1	
Power Requirements	AC 100 to 240 V ±10 %	
Power Consumption		
Operating Mode	19 W or less	
Sleep Mode	1.7 W or less	
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[*9] (Width x Depth x Height)	296 x 105 x 83 mm (11.7 x 4.1 x 3.3 in.)
Weight	2.0 kg (4.4 lb)
Supported Operating System	Windows 11[*10], Windows 10[*10], Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016, macOS, Linux (Ubuntu)
Software / Drivers[*12]	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver[*11], Image Scanner Driver for macOS (ICA)[*11], Image Scanner Driver for Linux (SANE)[*11], PaperStream Capture, PaperStream ClickScan, Software Operation Panel, Error Recovery Guide, ABBYY FineReader for ScanSnap™, PaperStream Central Admin
Image Processing Functions	Multi image output, Automatic color detection, Blank page detection, Static threshold, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, Dither, De-Screen, Emphasis, Dropout color (None/Red/Green/Blue/White/Saturation/Custom), sRGB output, Cropping, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Character extraction, Background pattern removal
Included Items	AC cable, AC adapter, USB cable, Setup DVD-ROM

Options

Carrier Sheets	PA03360-0013	Each package contains 5 carrier sheets
Photo Carrier Sheets	PA03770-0015	Each package contains 3 carrier sheets
Booklet Carrier Sheets	PA03810-0020	Each package contains 1 carrier sheets
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

Consumables

Pick Roller	PA03795-0001	Every 150,000 sheets[*13]
Pad Unit	PA03795-0002	Every 30,000 sheets[*13]

*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 When scanning in high resolutions (600 dpi or above), scanning may be rejected depending on scanning mode, document size, memory size, and application program. 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 Long page scanning is only available when using the ADF. Supports documents with lengths of up to 5,588 mm (220 in.) when resolutions are set to 200 dpi or less. For higher resolutions, supported document lengths vary. *7 Maximum capacity depends on paper weight and may vary. *8 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *9 With the ADF paper chute closed. *10 fi Series scanners do not run with Windows 11 and 10 ARM-based PCs. *11 Functions equivalent to those offered by PaperStream IP may not be available with the Image Scanner Driver for macOS/Linux or WIA Driver. *12 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *13 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®

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