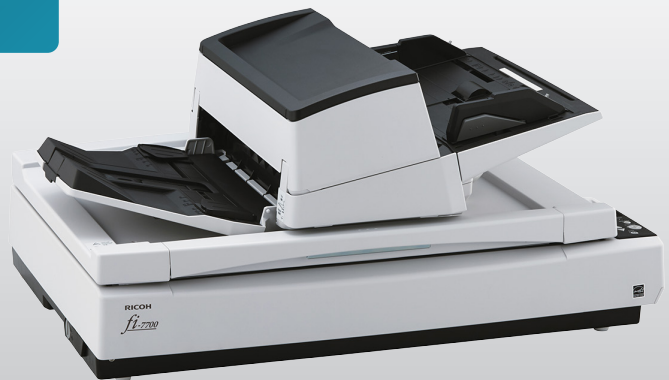**Image Scanner**

RICOH fi-7700
Datasheet

☑ Scanner

RICOH
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Flatbed scanner for professional use enables heavy-duty & flexible scanning

The fi-7700 scans documents at 100 ppm/200 ipm (A4 landscape 200/300 dpi) and improves work efficiency with its ability to scan a wide variety of business documents as well as capacity to load 300 sheets at a time.

Assistance for safe and reliable scanning

The straight paper path structure is designed to assure stable scanning regardless of document conditions and types. With Manual/Single mode, scan thick documents such as drawings folded in half, multi-layered receipts, and envelopes without specific operation. Minimize risk of document damage with stable paper feeding that Paper Protection function provides through its detection of anomalies in sound and monitoring of paper feed distance. Missing edges are also no longer a struggle with the scanner's Skew Reducer mechanism.

Flexible and functional design to meet all user needs

The fi-7700 is equipped with an ADF that can slide to the right or left, as well as rotate 180 degrees, enabling easy document loading with ADF adjustment to suit workspace environments or physical conditions.

Keep track of scanner operations such as document scanning settings, number of sheets scanned, as well as any existing error statuses, using the LCD operation panels. Load documents with ease and reduce your workload before and after scanning, with the scanner's independent side guides helping you align edges of variously sized documents. You can now also scan thick or fragile documents with the document cover kept open, thanks to the Cover-Open Cropping function.

Advanced software for maximized efficiency

Bypass the inconvenience of making fine adjustments to OCR settings with the PaperStream IP scanner driver, supporting both TWAIN and ISIS. The software automatically converts scanned images into exceptionally clean images, supporting OCR accuracy even when scanning documents with background patterns or wrinkled and soiled documents. Seamlessly linked to PaperStream IP, PaperStream Capture effectively and efficiently feeds information into your organization workflow with its various batch scanning capture features. Automatically utilizing data extracted from barcodes and patch codes, the software also determines your preferred saving destinations and eliminates time allocated to routine tasks.

RICOH fi-7700

Technical Information

Scanner Type		ADF (Automatic Document Feeder) / Manual Feed / Flatbed, Duplex
Scanning Speed[*1] (A4 Landscape) (Color[*2]/Grayscale[*2]/Monochrome[*3])		
ADF		Simplex: 100 ppm (200/300 dpi)
		Duplex : 200 ipm (200/300 dpi)
Flatbed		0.6 seconds (200/300 dpi)
Scanning Speed[*1] (A4 Portrait) (Color[*2]/Grayscale[*2]/Monochrome[*3])		
ADF		Simplex: 80 ppm (200/300 dpi)
		Duplex : 160 ipm (200/300 dpi)
Flatbed		0.9 seconds (200/300 dpi)
Image Sensor Type		Color CCD x 3 (front x 1, back x 1, Flatbed x 1)
Light Source		White LED Array x 6 (front x 2, back x 2, Flatbed 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		ADF: White / Black (selectable)
		Flatbed: White (or optional black)
Document Size		
ADF	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.)
Flatbed	Maximum	304.8 x 457.2 mm (12 x 18 in.)
Paper Weight (Thickness)[*7]		
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[*8]
ADF Capacity[*9]		300 sheets (A4 80 g/m² or Letter 20 lb)
Expected Daily Volume[*10]		44,000 sheets
Multifeed Detection		Overlap detection (Ultrasonic sensor), Length detection
Paper Protection		Lag detection, Sound detection (iSOP)[*11]
Interface		USB 3.1 Gen1 / USB 2.0 / USB 1.1
Power Requirements		AC 100 to 240 V ±10 %
Power Consumption		
Operating Mode		64 W or less
Sleep Mode		1.7 W or less
Auto Standby (Off) Mode		0.35 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)		706 x 500 x 345 mm (27.8 x 19.7 x 13.6 in.)
Weight		35 kg (77 lb)
Supported Operating System		Windows® 11[*13], Windows® 10[*13], Windows Server® 2022, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012 R2, Windows Server® 2012
Software / Drivers		PaperStream IP driver (TWAIN/TWAIN x64/ISIS), WIA Driver[*14], PaperStream Capture, PaperStream ClickScan[*15], Software Operation Panel, Error Recovery Guide, ABBYY FineReader for ScanSnap™[*15], Scanner Central Admin Server
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, Setup DVD-ROM

Options

Black Document Pad (FI-575BK)	PA03338-D960	Black flatbed background pad
PaperStream Capture Pro Scan Station (LV)	PA43404-A685	PaperStream Capture Pro optional license

Consumables

Brake Roller	PA03740-K010	Every 250,000 sheets or one year
Pick Roller	PA03740-K011	Every 250,000 sheets or one year

*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 Paper weight limitations only apply when using the ADF. There are no limitations when using the flatbed. *8 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). *9 Maximum capacity depends on paper weight and may vary. *10 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *11 Intelligent Sonic Paper Protection. *12 Excludes the ADF hopper and stacker. *13 fi Series scanners do not run with Windows® 11 and 10 ARM-based PCs. *14 Functions equivalent to those offered by PaperStream IP may not be available with the WIA Driver. *15 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions.

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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.

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