Image Scanner

RICOH fi-7600

Datasheet

Scanner



Heavy-duty & flexible production scanner for professional use

The fi-7600 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-7600's compact footprint enables users to scan even in small and limited environments. 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. Panels are equipped on both the scanner's right and left hand sides, enabling loading of documents in any workspace regardless of your dominant arm. Daily maintenance tasks, including interior cleaning and roller replacement, can also be done with utmost ease for long-lasting utilization.

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.

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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/m^2 (5.3 to 110 lb) Less than A8 size: 128 to 209 g/m^2 (34 to 56 lb)
Plastic Card	Up to 1.4 mm[*7]
ADF Capacity[*8]	300 sheets (A4 80 g/m^2 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 3.1 Gen 1 / 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	0.3 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[*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, 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, Setup DVD-ROM

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 fi Series scanners do not run with Windows 11 and 10 ARM-based 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/m^2 [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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