

RICOH fi-7600 Datasheet



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.

Technical Information

DuplexScanning Speed*1(A4 Landscape)(Colour*2/Grayscale*2/ Monochrome*3)Scanning Speed*1(A4 Portrait)(A4 Portrait)(Colour*1/Grayscale*2/ Monochrome*3)Image Sensor TypeColour CCD x 2 (front x 1, back x 1)Light SourceWhite LED Array x 4 (front x 2, back x 2)Optical ResolutionOutput Resolution*4(Colour / Grayscale / Monochrome)Output Resolution*4Output Resolution*4Colour 24-bit, Grayscale: 8-bit, Monochrome: 1-bitBackground ColoursWhite / Black (selectable)Document SizeMaximum304.8 x 431.8 mm (12 x 17 in.)Minimum50.8 x 69 mm (2 x 2.7 in.) (Portrait)Long Page Scanning*65,588 mm (220 in.)Paper20 to 413 g/m² (5.3 to 110 lb)Less than A8 size: 128 to 209 g/m² (34 to 56 lb)Plastic CardUp to 1.4 mm*7ADF Capacity*8Multifeed DetectionOverlap detection (Ultrasonic sensor), Length detectionPaper ProtectionLag detection, Sound detection (iSOP)*10InterfaceUSB 3.1 Gen 1 / USB 2.0 / USB 1.1Power RequirementsAC 100 to 240 V \pm 10 %Power ConsumptionOperating Mode64 W or lessSleep Mode1.7 W or lessAuto Standby (Off) Mode0.35 W or less	Scanner Type	ADF (Automatic Document Feeder) / Manual Feed,
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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 Operating Mode 64 W or less Sleep Mode 1.7 W or less Auto Standby (Off) 0.35 W or less	Multifeed Detection	Overlap detection (Ultrasonic sensor),
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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) 0.35 W or less 0.35 W or less	Paper Protection	Lag detection, Sound detection (iSOP)*10
Power Consumption Operating Mode 64 W or less Sleep Mode 1.7 W or less Auto Standby (Off) 0.35 W or less	Interface	USB 3.1 Gen 1 / USB 2.0 / USB 1.1
Operating Mode 64 W or less Sleep Mode 1.7 W or less Auto Standby (Off) 0.35 W or less	Power Requirements	AC 100 to 240 V ±10 %
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Sleep Mode 1.7 W or less Auto Standby (Off) 0.35 W or less	Operating Mode	64 W or less
0.35 W or less		1.7 W or less
Mode 0.35 W or less	Auto Standby (Off)	
	Mode	0.35 W or less

Temperature5 to 35 °C (41 to 95 °F)Relative Humidity20 to 80% (non-condensing)Environmental ComplianceENERGY STAR®, RoHSDimensions*11 (Width x Depth x Height)236 x 432 x 214 mm (9.3 x 17.0 x 8.4 in.)Weight11 kg (24 lb)Supported Operating SystemWindows® 11*12, Windows® 10*12, Windows Server® 2012, Windows Server® 2019, Windows Server® 2016, Windows Server® 2012 R2 Windows Server® 2012Software / DriversPaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver*13, PaperStream Capture, PaperStream ClickScan*14, Software Operation Panel, Error Reco Guide, ABBYY FineReader for ScanSnap™*14, Scan Central Admin ServerImage Processing FunctionsMulti image output, Automatic colour detection, BI page detection, Dynamic threshold (iDTC), Advance DTC, SDTC, Error diffusion, Dither, De-Screen, Emphasis, Dropout colour	
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DTC, SDTC, Error diffusion, Dither, De-Screen, Emphasis, Dropout colour	ank
Emphasis, Dropout colour	d
(None/Red/Green/Blue/White/Saturation/Custom),	
sRGB output, Hole punch removal, Index tab cropp	ng,
Split image, De-Skew, Edge correction, Vertical stre	ıks
reduction, Cropping, Static threshold, Divide long p	age
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 PaperStream Capture Pro	
Pro LV Production PSCP-LV-0001 optional license	
Consumables	
Brake Roller PA03740-K010 Every 250,000 sheets or one yea	
Pick Roller PA03740-K011 Every 250,000 sheets or one yea	
Print Cartridge CA00050-0262 4,000,000 printed characters or	
Print Cartridge CA00050-0262 6 months after opening the bag	

*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. *1 Scanning speeds may vary due to the system environment. For details, please visit our website at: https://www.plu.ncoh.com/global/scanners/ti/. *2 Indicated speeds are from using JPEG 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 fiseries 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 fiseries Sumont Site or diversoftshare downare downare downare downare may vary. fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions

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