Imaging Scanners

RICOH
fi-7600/fi-7700
Datasheet

☑ Scanner

The fi-7600 and fi-7700 help you reliably produce digital information from paper documents content, in back-office applications, specific line-of-business processes and right across the organisation. These models combine heavy-duty durability and high volume mixed batch capture within a single device.

Highlights at a glance:

- Fast processing at 100 ppm/200 ipm (A4, landscape, colour, 200/300 dpi)

- Mixed batch scanning from A8-A3, 20-413 g/m², folded documents up to A1 and longer

- PaperStream platform performance
  - Patch code, barcode, blank page batch separation
  - Barcode, matrix code and zonal OCR indexing included

Flexible – durable – high volume scanning

With scanning speeds of 100 ppm/200 ipm (200/300 dpi), the fi-7600 and fi-7700 greatly improve process efficiency. Large volumes of information can be captured from various media, including thin paper, plastic cards, envelopes and long page documents.

Smooth paper flow

The fi-7600 and fi-7700 automatically adjust to paper weights from 20-413 g/m². The straight paper path reduces the load on a document and assures reliable scanning regardless of the condition and type of a document. By simply sliding a lever to non-separation mode, you can easily scan thick and long documents folded in half, multi-layered document sets and envelopes.

Straight paper path

Innovative paper feeding mechanisms

Skew Reducer automatically handles sheets of paper in a stack individually, so that if one sheet is fed-in skewed, subsequent sheets are not forced into physical skew. This ensures that all information in the documents is captured correctly, even in batches with mixed document formats. The Paper Protection function monitors document movement and automatically stops feeding when any irregularities are detected.

Form follows function

Both scanner models feature a unique market proven design concept that adjusts to individual user preferences and requirements. The fi-7700's ADF unit slides to either side or rotates by 180 degrees.

180 degrees movable ADF

The fi-7600 is equipped with an operation panel on both sides allowing for right and left handed use. The LCD on the operation panel reveals the scanner status at a glance and enables instant operation.

LCD Panel

Lower workload before and after scanning

The Automatic Document Feeder's (ADF) independent side guides move to exactly the position required for each batch. The adjustable stacker side guides support neat alignment of processed documents.

The fi-7700 flatbed consecutively scans thick, fragile or bound documents even with the document cover open.

Ricoh best-in-class scanner driver and document capturing software

PS PaperStream IP
Scanner driver for high-quality image enhancement
- TWAIN and ISIS compliant scanner driver
- Industry leading integrated image enhancement capabilities
- Patch code and barcode recognition
- Pre-defined and custom scanning profiles for routine tasks
- Supports the user when needed with visual guidance through "Assisted Scan"
- Auto cropping, auto deskew, auto colour detecting, auto blank page detection and deletion

PS PaperStream Capture
Efficient, high-quality front-end capture solution
- One-stop batch scanning application that simplifies and accelerates the routine task of document capture through its 'One Click Capture' concept
- High-speed, high volume scanning with real-time image display, bar code detection and indexing
- PaperStream IP is an integral part of PaperStream Capture and ensures high-quality images
- Scan-verify-index-release in a single, streamlined routine that every user can easily perform
- Supports ad hoc scanning requirements for exception handling through "Assisted Scan" and, where required, instantly changing settings

Specifications

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

Model	fi-7600	fi-7700
Supported operating systems	See http://www.pfu-emea.ricoh.com for further information	
Scanner type	ADF (automatic document feeder)	ADF (automatic document feeder) and Flatbed
Scanning modes	Simplex / Duplex with continuous feeding, Colour / Greyscale / Mono	
Image sensor type	Colour CCD (charge-coupled device) x 2	Colour CCD (charge-coupled device) x 3
Light source	White LED Array x 4	White LED Array x 6
Multi-feed detection	Ultrasonic multi-feed detection sensor, paper detection sensor	
Document size	ADF Minimum: 50.8 x 69 mm portrait / Maximum: 304.8 x 431.8 mm Long page scanning: 5,588 mm*1	
	–	Flatbed Maximum: 304.8 x 457.2 mm
Recommended paper weight*2	20 to 413 g/m² / supports 128 to 209 g/m² for A8 size ID card types, Embossed card 1.4 mm or less*3	
Scanning speed (A4 Landscape)*4 Colour*5 / Greyscale*5 / Mono*6	Simplex: 100 ppm (200/300 dpi) Duplex: 200 ipm (200/300 dpi)	Simplex: 100 ppm (200/300 dpi), Duplex: 200 ipm (200/300 dpi) Flatbed: 0.6 seconds (200/300 dpi)
Scanning speed (A4 Portrait)*4 Colour*5 / Greyscale*5 / Mono*6	Simplex: 80 ppm (200/300 dpi) Duplex: 160 ipm (200/300 dpi)	Simplex: 80 ppm (200/300 dpi), Duplex: 160 ipm (200/300 dpi) Flatbed: 0.9 seconds (200/300 dpi)
Paper chute capacity*7	300 sheets (A4: 80 g/m²)	
Background colours	White / Black (Selectable)	ADF: White / Black (Selectable) / Flatbed: White (Black is optional)
Optical resolution	600 dpi	
Output resolution*8 Colour / Greyscale / Mono	50 to 600 dpi (adjust by 1 dpi increments), 1,200 dpi (driver)*9	
Output format	Colour: 24 bit, Greyscale: 8 bit, Mono: 1 bit	
Standard output files	PDF, PDF/A, PDF with OCR, TIFF, multipage TIFF, JPG or BMP	
Interface / Connector shape	USB 3.1 Gen 1 / USB 3.0 / USB 2.0 / USB 1.1 / Type B	
Image processing functions	Multi image output, Automatic colour detection, Blank page detection, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, De-Screen, Emphasis, Halftone, Dropout colour (None /RGB/ White /Saturation /Custom), sRGB output, Hole punch removal, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Cropping, Dither, Static threshold, Divide Long Page, Brightness, Color, Shadow and Sharpness Adjustment, Automatic Rotation, Automatic Page Size Detection	
Power requirements	AC 100 to 240 V, ±10%	
Power consumption	Operating: 64W or less (Sleep mode: 1.7W or less) Auto standby (OFF) mode: 0.35W or less	
Operating environment	Temperature: 5 to 35°C, Relative humidity: 20 to 80% (Non-condensing)	
Dimensions (W x D x H base unit)*10 / Weight	236 x 432 x 214 mm / 11 kg	706 x 500 x 345 mm / 35 kg
Included software / drivers	PaperStream Capture, PaperStream IP Driver (TWAIN/TWAIN x64/ISIS™), 2D Barcode for PaperStream*14, Software Operation Panel, Error Recovery Guide, ScanSnap Manager for fi Series*11,*14 Scan to Microsoft SharePoint*11, ABBYY FineReader for ScanSnap*11, Scanner Central Admin tools	
Environmental compliance	ENERGY STAR® / RoHS*12	
Standard Warranty (included in the price of the product)	1 Year Standard Warranty: Onsite Service - Next Business Day Response	
Expected Daily Duty Cycle	44,000 Pages	

*1 The fi-7600 and fi-7700 are capable of scanning documents that exceed A4 in length: Documents up to 5,588 mm in length can be scanned at resolutions up to 200 dpi.

*2 The paper weight only applies to using the ADF.

*3 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)

*4 Actual scanning speeds are affected by data transmission and software processing times.

*5 JPEG compressed figures.

*6 TIFF G4 compressed figures.

*7 Maximum capacity varies, depending upon paper weight.

*8 Maximum output resolutions may vary, depending upon the size of the area being scanned and whether the scanner is scanning in simplex or duplex.

*9 Scanning limitations due to scanning mode, document size and available memory may occur when scanning at high resolutions (600 dpi or higher).

*10 Excluding the ADF paper chute and Stacker.

*11 The software can be downloaded from the website designated in the Setup DVD-ROM.

*12 PFU LIMITED, a RICOH company, has determined that this product meets RoHS requirements (2011/65/EU)

*13 Geographic Limitations may apply to Service Plans and Service Levels in some countries. Please contact us for more information.

*14 Included PaperStream Capture software can recognize 1D barcodes (UPC-A/EAN/JAN, Code 3 of 9, Code 128/EAN128, Codabar (NW7), ITF), but with this addition it can recognize 2D barcodes, such as PDF417, Aztec, Datamatrix and QR code

Consumables and Options	Order by Part Number	Remarks
Consumable Kit	CON-3740-500K	Includes 2x Pick Rollers and 2x Brake Rollers. Up to 500K scans.
Cleaning Kit	CON-CLE-K75	Includes 1x bottle of F1 cleaning fluid and Pack of 75x lint-free cloths for 75+ applications.
Post Imprinter (fi-760PRB)	PA03740-D101	Prints up to 43 alphanumerical characters on back side of scanned documents
Print Cartridge	CA00050-0262	Lifetime: 4,000,000 printed characters; fi-760PRB print head
Black Document Pad	PA03338-D960	For flatbed unit

Optional Service Plans *13	Order by Part Number	Service Description
Extended Warranty	U3-EXTW-LVP	3 Year Extended Warranty: Onsite Service - Next Business Day Response
Bronze Service Plan	U3-BRZE-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix
Silver Service Plan	U3-SILV-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +1 Preventative Maintenance per year
Gold Service Plan	U3-GOLD-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +2 Preventative Maintenance per year
Platinum Service Plan	U3-PLAT-LVP	3 Year Service Plan: Onsite Service - 8 Hour Response + 8 Hour Fix +3 Preventative Maintenance per year

Onsite Service = A visit by a technician with a spare parts kit to repair the product at your premises.
Preventative Maintenance = A scheduled visit by a technician to disassemble, clean, lubricate, recalibrate, reassemble and test.

Specifications are subject to change without notice.
Visit the fi Series website for more information. **www.pfu-emea.ricoh.com**

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