

# FUJITSU Image Scanner fi-6160ZLA

Exceptional cost performance and high reliability for large volume projects



## ■ Main Features

### ■ Reduce rescan and shorten operating time with reliable feed ability

#### - Ensure stable feed ability and paper output with the acclaimed "Skew Reducer"

The scanner is equipped with "Skew Reducer" to ensure straight paper feeding even for mix batch of small or thin papers. This function reduces the skewness of the documents and thus minimizes the occurrence of missing the edge of the scanned image data.

### - Minimize paper feed errors due to the skewed document in mixed size loads

The scanner is equipped with an ultrasonic multifeed sensor that accurately detects multifeed errors when two or more sheets are fed through the scanner at once. Reliability is enhanced even when scanning a mixed batch of documents with different paper weights and sizes, avoiding potential work loss.

### - Protect valuable documents with "Paper Protection Technology"

Better protect your valuable documents from damage. The paper protection function automatically stops the scanning process as soon as it detects any sudden paper bending which could lead to paper jams.

### - Compact size suitable for desk use

The scanner is compact in size and does not occupy your valuable desktop space (301mm(W) x 160mm(D) x 158mm(H)), so it is always ready to be used any time.



## ■ Bundled with ready-to-use software

### - PaperStream IP – Driver software

The scanner is equipped with automated functions such as auto-rotation and blank page removal to reduce paper preparation. In addition, PaperStream IP cleans up the toughest documents- including watermarks and decorated backgrounds – for improved OCR and fewer rescans. The pre-created profiles clean up images without user adjustments for immediate capture. With the assisted scanning tool, you do not need to learn driver settings as it ensures the best image cleanup through visual selection. The driver is also compatible with all standard TWAIN/ISIS™ to seamlessly integrate with a wide range of applications that fits any usage scenario.

### - PaperStream Capture – Capturing software

PaperStream Capture is an advanced yet easy to use scanning application to scan and manage the scanned data. Whether it is adjusting the scanning settings or performing batch scanning, the streamlined User Interface for both administrator and operator can reduce your training time and increase productivity. Moreover, PaperStream Capture automatically sort and index the scanned documents using the barcode and zonal OCR to increase operational efficiency. It is also integrated with PaperStream IP's assisted scanning for visual cleanup of documents. The reading of barcodes and patch codes make batch separation easy, improving document organization.

## ■ Option List

Description	Part number	Remarks
A3 Carrier Sheet	PA03360-0013	Carrier Sheets come in sets of 5. Each Carrier Sheet has a lifespan of 500 scans.

## ■ Consumables

Description	Part number	Recommended replacement cycle
Brake roller	PA03540-0001	Every 200,000 sheets or one year These rollers separate documents as they are being fed into the scanner.
Pick roller S	PA03630-0061	Every 200,000 sheets or one year These rollers feed documents into the scanner.

This scanner is designed to digitize materials that can be reproduced lawfully, in accordance with applicable copyright regulations and other laws. Users are responsible for how they use this scanner. It is imperative that the users comply with all applicable local rules and laws, including, without limitation, copyright laws when using this scanner.

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## ■ Technical Specifications

Models		fi-61602LA
Supported operating systems		Windows® 8 / 8.1 (32-bit / 64-bit), Windows® 7 (32-bit / 64-bit), Windows Vista® (32-bit / 64-bit), Windows Server® 2012, Windows Server® 2008 (32-bit / 64-bit)
Scanner type		ADF (Automatic Document Feeder)
Scanning modes		Simplex / Duplex, Color / Grayscale / Monochrome
Image sensor type		Color CCD (Charge-Coupled Device) x 2 (Front x 1, Back x 1)
Light source		White Cold Cathode Discharge Lamp x 2 (Front x 1, Back x 1)
Multi-feed detection		Ultrasonic Sensor and Paper Detection Sensor
Document size	ADF maximum *1	A4 Portrait: 210 x 297 mm, Legal: 216 x 355.6 mm
	ADF minimum	A8: 52 x 74 mm
	Long document (Maximum) *2	210 x 3,048 mm
ADF feeding paper weight (Thickness)		41 to 209 g/m <sup>2</sup> (11 to 56.2 lb) and only supports 127 to 209 g/m <sup>2</sup> (34 to 56.2 lb) for A8 size. Plastic card types (ADF): Portrait / Landscape, 1.4 mm thickness or less *3
Scanning speed (A4 Portrait) *4	Color *5	Simplex/Duplex: 60 ppm / 120ipm (200dpi) Simplex/Duplex: 40 ppm / 80ipm (300dpi)
	Grayscale *5	
	Monochrome	
ADF capacity *6		60 sheets (A4: 64 g/m <sup>2</sup> or 17 lb) (Active loadable ADF)
Background colors		White / Black (Selectable)
Optical resolution		600 dpi
Output resolution *7	Color (24-bit)	50 to 600 dpi (adjustable by 1 dpi increments), 1,200 dpi *8
	Grayscale (8-bit)	
	Monochrome (1-bit)	
Output format	Color	24-bit
	Grayscale	8-bit
	Monochrome	1-bit
Internal video processing		1,024 levels (10-bit)
Interface		USB2.0 / USB1.1 B type
Image processing function	Hardware-based	Dropout color (R, G, B)
	Software-based	Dropout color (None, Specified, White), Image Emphasis, Error diffusion, Dither, iDTC, Simplified DTC, Moire removal, Multi-image, Deskew & Cropping, Blank page removal, Advanced-DTC, sRGB, Auto color detection, Punch hole removal, Tab-cropping, Upper lower separation
Power requirements		AC 100 to 240 V ± 10%
Power consumption	Operating	42 W or less
	Sleep	2.5 W or less
	Standby	0.5 W or less
Operating environment	Temperature	5 to 35 deg. C (42 to 95 deg. F)
	Relative humidity	20 to 80% (Non-condensing)
Dimensions: Width x Depth x Height *9		301 x 160 x 158 mm (11.8 x 6.4 x 6.2 in.)
Weight		4.2 kg (9.24 lb) or less
Bundled software / drivers		PaperStream IP (TWAIN) Driver, PaperStream IP (TWAIN x64) Driver, PaperStream IP (ISIS™) Driver, PaperStream Capture
Environmental compatibility		ENERGY STAR® and RoHS
Inbox contents		ADF paper chute, AC adapter, USB cable, Setup DVD-ROM

\*1 Document sizes larger than A4, but not exceeding A3, can be scanned (single-side) using a Carrier Sheet.

\*2 Capable of scanning documents that exceed A4 size in length. However, the scanning of documents that exceed 863 mm (34 in.) in length will be limited to using TWAIN at 200 dpi or less.

\*3 Supports continuous scanning of up to three cards. (Multi-embossed cards are not supported).

\*4 Both data transmission and software processing times affect actual scanning speeds.

\*5 Indicated speeds are from using JPEG compression.

\*6 Maximum capacity varies, depending upon paper thickness.

\*7 Maximum output resolutions may vary, depending upon the size of the area being scanned and whether the scanner is scanning in simplex or duplex.

\*8 Scanning limitations brought about by scanning mode, document size and available memory may occur when scanning at high resolutions (600 dpi or higher).

\*9 Indicated dimensions exclude the ADF paper chute and stacker.

## 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.



PFU Limited, a Fujitsu company, has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a registered trademark of the United States.

● Specifications are subject to change without notice.

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