

## The scanning solution for banks

### fi-7160-4Cheque



#### Fujitsu's fi-7160:

- Scanning capability of every type of banking document
- Interface with a traditional cheque reader or cheque scanner
- 60 ppm / 120 ipm at 300 dpi Monochrome, Grayscale and Colour
- Unique device suitable for both front office and back office
- Advanced technology for paper handling and paper protection with exceptional reliability (80 sheet ADF)
- Straight paper path that allows scanning of credit cards (even embossed cards) and other rigid documents
- Bundled with PaperStream IP & PaperStream Capture

#### Emmedi's solution:

- 45,000+ installations of fi-7160-4Cheque worldwide
- Outstanding performance and reliability for decoding cheques (CMC7 and E13B)
- Magnetic Style Signal invented by Emmedi to enable innovative decoding of scanned images
- Better decoding quality achievable against a standard cheque scanner – No need for separate cheque scanners and document scanners
- Reduced installation, maintenance and operating cost
- Reduced decoding errors and increased customer satisfaction
- Emmedi API interface fully compatible with bank interface

## THE SCANNING SOLUTION MARKET FOR BANKS IS EVOLVING!

The Emmedi scanning solution incorporating 4Cheque and Fujitsu's fi-7160 scanner has been developed to revolutionise the way both the back office and teller functions of a bank operate. fi-7160-4Cheque offers the ability to interface directly with the bank's interface and seamlessly process a variety of documents from cheques to post and customer ID. fi-7160-4Cheque can help raise office efficiency, reduce operational and maintenance costs, offer increased flexibility whilst ensuring the streamlining of bank processes such as the waiting time at the teller station, reduction of errors and subsequent checking which in turn can lead to increased customer satisfaction.



### Best-in-class for cost/performance

With duplex scanning capability, the fi-7160 scans colour A4 documents at a speed of 60 ppm / 120 ipm (all speeds A4 Portrait 200 / 300 dpi), offering unrivalled cost-performance. The Automatic Document Feeder (ADF) offers a capacity of 80 sheets and ensures the continuous feeding of mixed batches of documents with different weights and sizes. The fi-7160 offers resolutions from 50 to 600 dpi, with a USB 3.0 interface. Expected daily volume is about 4,000 sheets. This solution enables the digitisation of large volumes of paper in a very short time. The fi-7160 is equipped with a liquid crystal display (LCD). The LCD is located within the operating panel to display useful information including current settings for scanning documents, the number of sheets scanned, and error status. Users know the scanner status in the blink of an eye and can easily select and initiate predefined scanning profiles.

### Excellent function of ADF

The fi-7160 realises exceptional reliability and supports a wide range of paper weights, the fi-7160 incorporates brake roller technology that is one of the most advanced paper separation technologies. The fi-7160 is designed with a virtually straight paper path that facilitates smooth and jam-free paper feedability. It is an efficient mechanism that can minimise the stress on a sheet of paper. An ultrasonic multifeed sensor detects whenever two or more documents have been simultaneously fed into the fi-7160, regardless of document weight, size or colour. It is also equipped with a paper protection function, which allows you to scan fragile documents without any worries.

fi-7160-4Cheque is equipped with "iSOP" and "skew reducer". iSOP (Intelligent Sonic Paper Protection) reduces the risk of having documents damaged by sensing the audible noise of paper movements and stopping the feeding of sheets when an irregular noise is encountered. Should you be scanning mixed batches of differing thicknesses of documents then the "Skew Reducer" reduces the physical skew that documents encounter through the paper path ensuring that each document is captured with the utmost precision and simplicity. This advanced Paper Protection feature reliably reduces the risk of damaging documents during scanning, and skew reducer ensures total coverage for every scan: no lost data on the edges or in the corners, no more rescans.

The fi-7160 is able to scan various types of documents and materials in any size (A8-A4), from ultra-thin paper (27 g/m<sup>2</sup>) to plastic cards 1.4 mm thick. It can feed simultaneously up to 3 cards, even embossed ones, both vertically and horizontally. The fi-7160 also supports extra long documents up to 5,588 mm. Using the Carrier Sheet option, it can also scan documents of A3 size through the ADF.

### **Auto Colour Detection, Page Size Detection and De-skew**

The fi-7160 offers fully integrated and automated functions for image processing. This provides higher efficiency in digitisation, thanks to simultaneous high-speed scanning and image processing. The Auto Colour Detection function automatically identifies the colour of a document, and chooses the best colour mode for the document. The Auto Page Size Detection function ensures the capture and display of the exact size of the scanned document in the case of scanning mixed batches of different sizes, while the Automatic De-skew function realigns the scanned image when documents are skewed.

### **Emmedi's software solution**

Software 4Cheque, powered by Emmedi, provides the typical features of cheque scanners to the most popular document scanner in the world, fi-7160. The decoding function in the software demonstrates outstanding performance and reliability, cultivated during more than 20 years of experience. The result has been verified by more than 45,000 installations in the field.

### **Fujitsu PaperStream IP**

Built on TWAIN / ISIS standards, PaperStream IP is the scanner driver for Fujitsu fi Series image scanners. With its advanced black and white and colour processing, a range of documents can be automatically and easily converted into image data suitable for complex post capture processing, which can help produce highly accurate OCR results.

### **Fujitsu PaperStream Capture**

PaperStream Capture enhances the data capture process from adjusting scanning settings to performing batch scanning, verifying data and releasing to directories, repositories or subsequent process routines. Users can complete data capture tasks easily with the extremely user-friendly graphical user interface (GUI). Moving scanned batches into a queue for later retrieval is possible as well. Seamless linkage with PaperStream IP provides for high quality image processing and simplified batch scanning operation at the same time.





ENERGY STAR®  
compliant

<b>Product name</b>	<b>Banking scanner solution (fi-7160 4Cheque)</b>
Included software	PaperStream Capture, Emmedi 4Cheque
Scanner type	ADF (Automatic Document Feeder)
Scanning mode	Simplex / Duplex, Colour / Grayscale / Monochrome
Image sensor type	Colour CCD (Charge-coupled device) x 2
Light source	White LED Array x 2
Document size	Maximum: 216 x 355.6mm (8.5 x 14in.) (long document scanning: 216 x 5,588mm (8.5 x 220in.) Minimum: 50.8 x 54mm (2 x 2.13in.)
ADF feedable paper weight (Thickness)	27 to 413 g/m <sup>2</sup> (11 to 56.2lb) and only supports 127 to 209 g/m <sup>2</sup> (34 to 56.2lb) for A8 sheets. Card feedability (ADF) supports both portrait and landscape feedability 1.4mm thickness or less
Scanning speed (A4 Portrait 200/300 dpi, Colour/ Grayscale/ Monochrome)	Simplex: 60 ppm, Duplex: 120 ipm
Paper chute capacity	80 sheets (A4: 80 g/m <sup>2</sup> or 20lb) (Active loadable ADF)
Background colours	White / Black (Selectable)
Optical resolution	600 dpi
Output resolution	50 to 600 dpi (adjustable by 1 dpi increments), 1200 dpi
Output format	Colour: 24bit, Grayscale: 8bit, Monochrome: 1bit
Internal video processing	65,536 levels (10bit)
Interface	USB 3.0 / USB 2.0 / USB 1.1
Connector shape	USB: B type
Image processing function	Dither / Error diffusion
Power requirements	AC 100 to 240V ±10%
Power consumption	Operating: 38W or less, Sleep mode: 1.8W or less, Auto standby: 0.35W or less
Operating environment	Temperature: 5° to 35°C (42° to 95°F), Relative humidity: 20 to 80% (Non-condensing)
Dimensions: Width x Depth x Height	300 x 170 x 163mm (11.8 x 6.7 x 6.4in.) Installation space: 400 x 700 x 380mm (15.8 x 27.6 x 15.0in.)
Weight	4.2kg (9.26lb)
Included drivers	PaperStream IP (TWIN, ISIS™)
Environmental compliance	ENERGY STAR® and RoHS
Others	Multi-feed detection / Long paper scanning
Long paper scanning	5,588 mm

Options	Part number	Description
Post Imprinter(FI-718PR)	PA03670-D201	Assists document management by printing numbers, Roman characters and codes on original documents after they have been scanned.
ScanSnap Carrier Sheets	PA03360-0013	Each package contains 5 carrier sheets. It is recommended that each carrier sheet be replaced after it has been used for 500 scans.

Consumables	Part number	Description
Brake Roller	PA03670-0001	Lifetime: Every 200,000 sheets or one year. These rollers separate documents as they are being fed into the scanner.
Pick Roller	PA03670-0002	Lifetime: Lifetime: Every 200,000 sheets or one year. These rollers feed documents into the scanner.
Print Cartridge	CA00050-0262	Lifetime: Every 4,000,000 printed characters. fi-718PR print head.



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