Futronic's FS26EU USB2.0 Dual Card Combo Reader

Major features and benefit:

The Futronic FS26EU Fingerprint Reader combines Futronic's FS26E USB2.0 Fingerprint Scanner and a ISO7816 contact & ISO14443A/B contactless combo smart card reader into one device. A SAM (Secure Access Module) is also built-in to increase the device security. FS26E meets the US Federal Information Processing Standard 201(FIPS 201) for Personal Identification Verification (PIV) of Federal Employees and Contractors.

FS26EU has a powerful ARM Cortex A7 processor for on device image processing. It communicates with the smart card reader by internal serial interface. After a fingerprint is captured, the processor will process the image and generate a template for smart card storage, MoD (Match On Device) or MoC (Match On Card) processing.

FS26EU is an ideal device for highly secure two-factor authentication application. A user can register fingerprint and store on smart card (carried by user) and do MoD or MoC with a freshly captured fingerprint from fingerprint scanner at the time of authentication. The registered fingerprint template will never leave the smart card that further enhances the system security.

Specification-general
- USB 2.0 compatible, plug and play device
- With a 2M standard USB cable
- Small size, 120x72x42 mm
- Light weight, 250 gram
- Operation temperature: -10 to +55°C

Specification-Fingerprint scanner
- Fingerprint scanning window size is 16.26x24.38mm
- Image resolution is 320x480 pixel, 500 DPI
- Raw fingerprint image file size is 150K byte
- With Live Finger Detection (LFD) feature
- With internal memory for 100 fingerprint template storage

Specification-Smart card reader
Contact & Contactless Reader Module

Contact card
- Full speed USB interface to PC with simple command structure
- Support ISO7816 Class A, B & C (5V, 3V, 1.8V) contact cards*
- Support microprocessor cards with T=0 or T=1 protocol
- Support PPS, PC/SC

Contactless card
- Support ISO14443 A/B, Mifare classic cards*
- Read/Write Speed up to 848Kbps.
- Card reading distance 10mm
- Support PC/SC

SAM
- Support ISO7816 MCU Card

* For specific supported card types, please contact Futronic for detail.

Typical Application
- e-Government
- e-Banking and e-Payment
- e-Healthcare
- Transportation
- Network Security

Futronic Technology Company Limited.
Rm1016A, Profit Industrial Bldg. 1-15,
Kwai Fung St. Kwai Fong, Hong Kong

Tel:852-24087705 Fax:852-24082572

www.futronic-tech.com
inquiry@futronic-tech.com

Sep 2022