

Fingerprint Scanner and Dual Card Combo Reader FPS-FS26EU

The FPS-FS26EU Fingerprint Reader combines Fingerprint Scanner and 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.



Device Specification

- 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

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
- Unique serial number programmed to USB Device Descriptor
- With internal memory for 100 fingerprint template storage

Smart Card Reader

- ACS 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 & CT-API (Through wrapper on top of PC/SC)

Contactless Card

- Read support ISO14443 A/B, Mifare classic cards
- Write Speed up to 848Kbps.
- Card reading distance 30mm
- Support PC/SC & CT-API (Through wrapper on top of PC/SC)

SAM

- Support ISO7816 MCU Card

Key Features:

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

FPS-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.

The scanner is provided in partnership with Futronic Technology Company Ltd.

Typical Application

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

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