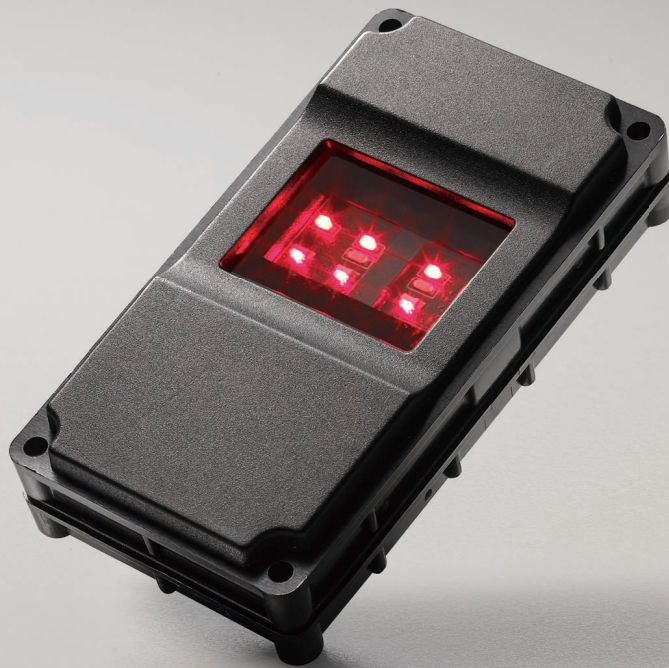


SFM Slim

Ultra-Slim FAP20 Fingerprint Module



SFM Slim is world's slimmest FAP20-certified optical fingerprint module featuring an array of cutting-edge technologies. Along with its 13.5mm-slim optical sensor, SFM Slim offers you flexibility to create a new and innovative system design with its reduced form factor that will distinguish you from your competitors. Powered by 1GHz CPU and MINEX-certified algorithm, SFM Slim also features best-in-class performance (5,000 match/sec) and FBI PIV-compliance. SFM Slim provides new and advanced Live Finger Detection (LFD) technology by applying a machine-learning method that analyzes and categorizes image patterns according to optical characteristics.

SFM Slim

Ultra-Slim FAP20 Fingerprint Module

FEATURES



- World's Slimmest 13.5 mm FAP20-certified Optical Fingerprint Module



- FBI PIV and FBI Mobile ID FAP20 Certificates
- Image Compression Standard: WSQ



- Multi Dynamic Range(MDR) Technology
- Operates under direct sunlight up to 100,000 LUX



- Live Fingerprint Detection(LFD) Technology
- Distinguishes fake fingerprints made from various materials including clay, rubber, silicon, glue, paper, film and more



- Easy Integration
- SFM SDK for easy application development
- Android, MS Windows & Linux compatible

SPECIFICATIONS

CPU	1.0 GHz (MIPs)
Flash Memory	16MB
Supply Voltage	3.3/5.0 VDC Regulated
Interface	UART, USB 2.0 High Speed
Template capacity	22,000
Operating Temperature(°C)	-10~50°C
Operating humidity	10 ~ 90% RH
Dimensions (W x L x Hmm)	59 x 32 x 13.5 mm
Enrollment Time	< 330ms
1:1 Verification Time	< 330ms
1:1,000 ID Time	< 400ms
EER	< 0.08%
WSQ Image Compression	Yes
SDK	Windows, Linux, and Android
Template Type	Suprema, ISO19794-2, ANSI-378
Live Finger Detection	Yes
Auto-on	Yes
Sensor Type	Optical
Resolution	500 ppi
Gray Scale	256 level
Platen Size (W x L mm)	16.5 x 21.0
Sensing Area (W x H mm)	15.24 x 20.32

* Average 1:1000 genuine identification time including feature extraction

Suprema
BIOMETRICS & SECURITY

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