

# SFU-S20A

Standalone Authentication Module



SFU-S20A is a FBI and Mobile ID FAP20 certified fingerprint scanner module that provides a number of industry-leading features under its sleek design. Featuring range-leading powerful 1.0GHz CPU, SFU-S20A provides high-speed extraction and matching of fingerprints within the scanner. SFU-S20A also supports true plug-n-play by featuring HID(human interface device) protocol. SFU-S20A is a versatile identification solution for both public and civil ID applications.



# SFU-S20A

Standalone Authentication Module

## FEATURES



- True plug-n-play operation
- HID(human interface device) protocol



- Standalone operation
- 1.0GHz MIPS-base Xburst Core CPU
- On-device fingerprint extraction and matching
- O/S independent fingerprint scanner



- Enhanced Security
- On-device template encryption
- On-device template extraction



- FBI PIV/FIPS201 and FBI Mobile ID FAP20 certificates
- Image compression standard: WSQ



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



- Capturing high-quality fingerprint images even when the finger is dry & wet
- Operates under direct sunlight up to 100,000 LUX



- Rugged IP65 dust and waterproof form factor

## SPECIFICATIONS

Sensor	Image Quality Standards	FBI PIV / FBI Mobile ID FAP20
	Live Finger Detection	0
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	256 level
	Platen Size (W x L mm)	18.0 x 25.4
	Sensing Area (W x H mm)	16.2 x 24.3
H/W	Image Size (W x H pixels)	320 x 480
	CPU & RAM	MIPS-Base Xburst Core [Up to 1.0 Ghz], RAM : 32Mbyte LPDDR
	Interface	USB 2.0 High Speed
	Operating Temperature(°C)	-10~50°C
S/W	Operating humidity	0 ~ 90% RH
	Dimensions (W x L x Hmm)	66.5 x 40.0 x 20.8 mm
	Windows	Windows XP, Vista, 7, 8, 8.1, 10 32/64bit
	Linux	Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 32/64bit
	Android	Android 4.1(Jelly Bean)and Above
Certification	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Template Type	Suprema, ISO19794-2, ANSI-378
	CE	0
	FCC	0
	KC	0
	RoHS	0
	UL	0
CB	0	
WEEE	0	

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SECURITY & BIOMETRICS

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