

SFU-S20A

Standalone Authentication Scanner



| **SFU-S20A** | 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.



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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	O
	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 Hight Speed, HID
	Operating Temperature(°C)	-10~50°C
	Operating humidity	10 ~ 90% RH
	Dimensions (W x L x Hmm)	66.5 x 40.0 x 20.8 mm
	S/W	Windows
Linux		Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 32/64bit
Android Android 4.1(Jelly Bean)and Above		O
Image Format		RAW, BMP, WSQ, ISO 19794-4
Template Type		Suprema, ISO19794-2, ANSI-378
Certification	CE	O
	FCC	O
	KC	O
	UL / CB	O
	IEC62471	X
	WEEE	X
	WHQL	O

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