

BM-Slim2S

Ultra-slim FAP20 Standalone Authentication Module



BM-Slim2S is a FBI PIV and Mobile ID FAP20 certified fingerprint module that provides a number of industry-leading features under its sleek design. Featuring range-leading powerful 1.0GHz CPU, BM-Slim 2S provides high-speed extraction and matching of fingerprints within the scanner.

BM-Slim2S also supports true plug-n-play by featuring HID(human interface device) protocol. BM-Slim2S 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



- World's slimmest FAP 20 optical sensor



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



- Capturing high-quality fingerprint images even when the finger is dry & wet.
- 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



- Automated power saving by smart sleep mode
- BM-Slim 2S now consumes up to 95% less power than competitors

SPECIFICATIONS

Sensor	Image Quality Standards	FBI PIV / FBI Mobile ID FAP20
	Live Finger Detection	O
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	8-bit, 256 levels
	Platen Size (W x L)	16.5 mm x 21.0 mm
	Sensing Area (W x H)	15.2 mm x 20.3 mm
H/W	Image Size (W x H)	300 x 400 pixels
	Interface	USB 2.0 Hight Speed
	Operating Temperature	From -10°C to 55°C
	Operating humidity	0% - 90%, non-condensing
	Ingress Protection	IP65 (Sealed between bezel and sensor surface)
	Dimensions (W x L x H)	59 mm x 32 mm x 13.5 mm
s/w	Weight	30g
	Operating System	Windows 10 or higher 32/64bit
		Linux Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit
		OS/Platform Independent, Stand-alone Operation
	Android	Android 5.0 or higher (USB Host)
Certification	Image Format	RAW, BMP, WSQ, ISO 19794-4
	Template Type	Xperix, ISO19794-2, ANSI-378
	CE	O
	FCC	O
	KC	O
	RoHS	O
	IEC62471	O
	WEEE	O
	WHQL	O
	FBI	O
	CB	O
	REACH	O
	PAD	Level 1 & 2 by Bixelab



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