

BM-Slim 2S

Ultra-slim FAP20 Standalone
Authentication Module



BM-Slim 2S 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-Slim 2S also supports true plug-n-play by featuring HID(human interface device) protocol. BM-Slim 2S 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	256 level
	Platen Size (W x L mm)	16.5 x 21.0
	Sensing Area (W x H mm)	15.24 x 20.32
H/W	Image Size (W x H pixels)	300 x 400
	Interface	USB 2.0 High Speed
	Operating Temperature(°C)	-10~50 °C
	Operating humidity	10 ~ 90% RH
	Ingress Protection	IP65(Sensor Surface)
	Dimensions (W x L x H mm)	59 X 32 x 13.5
	Weight(g)	30
S/W	Operating System	OS/Platform Independent, Stand-alone Operation
	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	O
	WEEE	O
	WHQL	O

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