

BM-Slim3

Ultra-slim FAP30 Standalone
Authentication Module



BM-Slim3 is a FBI PIV and Mobile ID FAP30 Certified fingerprint module that provides a number of industry-leading features under its sleek design. Featuring range-leading powerful 1.0Ghz CPU, BM-Slim3 provides high-speed extraction and matching of fingerprints on device. BM-Slim3 also supports true plug-n-play by featuring HID(human interface device) protocol and Xperix's proprietary Multi-dynamic Range(MDR) technology. BM-Slim3 provides new and advanced Live Finger Detection(LFD)technology by applying a machine learning method based AI(Artificial Intelligence) as an World-class Trained Inspector which can be upgradeable.



BM-Slim3

Ultra-slim FAP30 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



- World's slimmest FAP 30 optical sensor



- FBI PIV/FIPS201 and FBI Mobile ID FAP 30 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

SPECIFICATIONS

Sensor	Image Quality Standards	FBI PIV / FBI Mobile ID FAP30 compliant
	Sensor Type	Optical
	Resolution	500 ppi
	Gray Scale	8-bit, 256 levels
	Platen Size (W x L)	21.5 mm x 26.5 mm
	Sensing Area (W x L)	20.32 mm x 25.4 mm
H/W	Image Size (W x H)	400 x 500 pixels
	Interface	USB 2.0 High Speed
	Operating Temperature	From -10℃ to 55℃
	Operating humidity	10% - 90%, non-condensing
	Ingress Protection	IP65 (Sealed between bezel and sensor surface)
	Dimensions (W x L x H)	67.5 mm x 36 mm x 15 mm
S/W	Weight	48.6g
	Operating System	Windows 10 or higher 32/64bit
		Linux Ubuntu, Debian, Fedora, OpenSUSE, CentOS 32/64bit
		Android 5.0 or higher (USB Host)
S/W	OS/Platform Independent, Stand-alone Operation	
	Image Format	RAW, BMP, ISO 19794-4, WSQ(FBI certified)
	Template Type	Xperix, ISO19794-2, ANSI 378
	LFD	O
Certification	FBI, CE, FCC, KC, RoHS, USB-IF, CB, IEC 62471, WEEE, REACH, BIS WHQL	



Xperix Inc.

#1207, 37, Sagimakgol-ro 62beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, 13211, Republic of Korea

Inquiry: sales_id@xperix.com | www.xperix.com

©2026 Xperix Inc. Xperix and identifying product names and numbers herein are registered trade marks of Xperix Inc. All non-Xperix brands and product names are trademarks or registered trademarks of their respective companies. Product appearance, build status and/or specifications are subject to change without notice.
[XPX_BM-SLIM3_PB_REV03_EN_260814]