

# 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.



# BM-Slim2S

Ultra-slim FAP20 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 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              | 0 ~ 90% RH                                     |
| S/W           | Dimensions (W x L x H mm)       | IP65 (Sensor Surface)                          |
|               | Windows                         | OS/Platform Independent, Stand-alone Operation |
|               | Linux                           | OS/Platform Independent, Stand-alone Operation |
|               | Android<br>Android 5.0 or later | OS/Platform Independent, Stand-alone Operation |
|               | Image Format                    | RAW, BMP, WSQ, ISO 19794-4                     |
| Certification | Template Type                   | Xperix, ISO19794-2, ANSI-378                   |
|               | CE                              | O  |
|               | FCC                             | O  |
|               | KC                              | O  |
|               | UL / CB                         | O  |
|               | IEC62471                        | O  |
|               | WEEE                            | O  |
|               | WHQL                            | O  |



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