

BIOFLEX® S

(2nd Gen)

For Samsung 7" and 8" Smartphone



AMREL®
Pioneering Customized Rugged Solutions

Simplify Mobile Biometric Capture with Your Smartphone



- ✓ **Spend Less, Get More from Your Device.**
Save money and convert your new or existing Samsung smartphone into a biometric capture device with BioFlex S7 or S8
- ✓ **Convenient & Removable.**
Attach & Remove the Module with 'Click & Slide' motion
- ✓ **Keep Your Smartphone.**
Remove the module when off-duty and simply use just your rugged smartphone

*Rugged case protects your phone and simply slide the module on the back of the device.
It's that simple.*

AMREL's 2nd generation durable BioFlex® S case allows you to quickly and simply add biometric capabilities to your smartphone. Designed to fit the most popular smartphones (especially those used by Law Enforcement and government agencies), you can instantly integrate **certified FBI PIV-071006 & Appendix F** scanners into your preferred mobile device.

By adding state-of-the-art fingerprint scanning technology, you can produce **FAP20- & FAP45**-compliant fingerprint images even when using the smallest, lightest form factors.

- ✓ Enables fingerprint capture in everyday, commercial smartphones
- ✓ Lightweight scanner (< 2 oz.)
- ✓ Single Finger flat print
- ✓ Ergonomically designed
- ✓ Android™ smartphones
- ✓ FBI PIV & Mobile ID FAP20 Compliant scanner
- ✓ Operates in direct sunlight
- ✓ Live finger detection
- ✓ MIL-STD 810G & IP-65 for dust & water

Build Your Own Module (BYOM)

- ✓ If you have a proprietary device or peripheral you would like to integrate, the **BioFlex S** offers Build-Your-Own-Module approach to housing your product in our housing.
- ✓ Simply, email BYOM@amrel.com for more information.



BioFlex® S (2nd Gen) Technical Specifications

Item	Standard
Rugged Case	Samsung S7 or S8 smartphones (Check with us for specific models)
FBI PIV & Mobile ID FAP20 COMPLIANT SCANNER	Ultra-Slim FAP20 Single Finger Authentication Scanner
Live Finger Detection	Yes
Sensor Type	Optical
Resolution	500 PPI
Gray Scale	256 level
Platen Size	0.65" (W) x 0.83 (L) 16.5 (W) x 21.0 (L) mm
Sensing Area	0.6" (W) x 0.8" (H) 15.24 (W) x 20.32 (H) mm
Image Size	300 (W) x 400 (H) pixels
Interface	USB2.0 High Speed
Operating Temperature	-10°C ~ +50°C
Operating Humidity	10~90% Relative Humidity
Dimensions	2.32" (W) x 1.26" (L) x 0.53" (H) 59 x 32 x 13.5 mm
Case Weight	0.31 lbs
OS Support	Windows – XP, Vista, 7, 8, 8.1, 10 32/64-bit Linux – Ubuntu, Debian, Fedora, OpenSUSE, Cent OS 32/64-bit Android – 4.1 (Jelly Bean) and above
Image Format	RAW, BMP, WSQ, ISO 19794-4
Template Type	Suprema, ISO19794-2, ANSI-378
Certification	CE, FCC, KC, UL/CB, IEC 62471, WEEE, WHQL



APPLICATIONS



Law Enforcement (Mobile ID)



Prison / Inmates



Border Security



Security Checkpoints



Voter Registration