

# BIOFLEX® S

(2<sup>nd</sup> 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.***

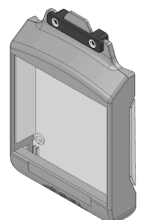
**AMREL's 2<sup>nd</sup> generation durable BioFlex® S** case allows you to quickly and simply add biometric capabilities to your smartphone. Designed to fit the most popular smartphones (especially those used by Law Enforcement and government agencies), you can instantly integrate **certified FBI PIV-071006 & 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](mailto:BYOM@amrel.com) for more information.



# BioFlex® S (2<sup>nd</sup> Gen) Technical Specifications

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



## APPLICATIONS



Law Enforcement (Mobile ID)



Prison / Inmates



Border Security



Security Checkpoints



Voter Registration