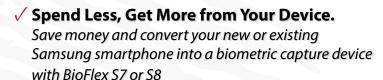
# BIOFLEX® S 2nd Gen

For Samsung 7" and 8" Smartphone

## Simplify Mobile Biometric Capture with Your Smartphone



Pioneering Customized Rugged Solutions

✓ 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



**AMREL's 2nd generation durable BioFlex ® S (2nd Gen)** 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), 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 **FAP45-** compliant fingerprint images even when using the smallest, lightest form factors.

- ✓ Enables fingerprint capture in everyday, commercial smartphones
- √ Lightweight scanner (< 2 oz.)
  </p>
- √ 10-finger flat print, dual flat print, or single finger roll scan
- √ Ergonomically designed
- ✓ MIL-STD 810G & IP-65 for dust & water

- ✓ Android™ smartphones
- ✓ FBI Appendix F, FAP45 Certified Fingerprint Scanner
- ✓ Operates in direct sunlight
- ✓ No membranes
- √ Meets common domestic & international standards

#### **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 (2<sup>nd</sup> Gen) Technical Specifications

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ltem	Standard	
Rugged Case	Samsung S7 or S8 smartphones (Check with us for specific models)	
FBI CERTIFICATIONS	Mobile ID IQS FAP 45, PIV, GSA FIPS 201, FBI Appendix F Certified	
Resolution	500 PPI	<b>①</b> . ´
Sensing Area	1.6" (W) x 1.5" (H)	
Platen Area	3.38" x 2.12"   85.85 x 53.97 mm	i//
Gray Scale	256 grayscale dynamic range	
mage Size	800 (W) x 750 (H) pixels	
mage Supported Formats	RAW, JPEG2000, BMP, PNG, WSQ	Chian State of the
Scanner Physical Size	65.1 x 61.7 x 14.2 mm   2.56" x 2.43" x 0.56"	CI IDE II
Product Weight	<55 Grams   1.94 oz.	SLIDE MI IN CHAN
Interface	USB 2.0 (Pogo Pin, Molex 51146-0600, Molex 51021-0600)	
USB Certification Spec	USB-IF USB.ORG	
FCC/CE Conformance	FCC Part 15 (per ANSI C62.4:2003) Class A, CSA ICES-003 Class A, CE Emissions: EN 55022:2006 Class A, CE Immunity EN 55024:1998/A1:2001/ A2:2003, IEC 61000-4-2	2
API Interface	Capture Single Finger Direct - Multi-device / Multi-thread support	1
USB Power Requirement	4.40V ~ 5.25V, Full Scanning TFT; Suspend <2mA	INSERT CO PHONE'S I
Power Consumption	<270mA during full scanning mode Standby 60mA	
Air & Contact Discharge	In compliance with IEC 61000-4-2	
Operating Temperature	-10°C ~ +55°C / 14°F ~ 131°F	(3)
torage Temperature	-40°C ~ +80°C / -22°F ~ 140°F	A
lumidity	30~85% RH < 40°C / 104°F (Non-condensing)	*
ngress Protection	IP-65 Sealed bezel to scanning surface	100
Surface Durability	MIL-C-675c 4.5010, MIL-STD-810F	
Vibration Test	per MIL-STD-810F (Method 514.5), Category 24, Fig. 514.5C-17	
Surface Resistance	Ammonia, IPA, Methanol, Soaps/detergents, Salt Water	MODULE
Hazardous Material	RoHS Directive 2002/95/EC	
OS Support	Windows 7, Windows 8.x Windows Server, Windo	ows Mobile 6.5, Linux,







#### **APPLICATIONS**









**Security Checkpoints** 

**Voter Registration** 

