BIOFLEX® S
2nd Gen
For Samsung 7" and 8" Smartphone

Simplify Mobile Biometric Capture with Your Smartphone

AMREL
Pioneering Customized Rugged Solutions

✓ **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.
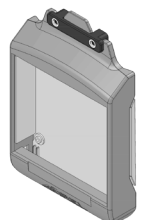***It's that simple.***

AMREL's 2nd generation durable BioFlex ® S (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.)

✓ 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

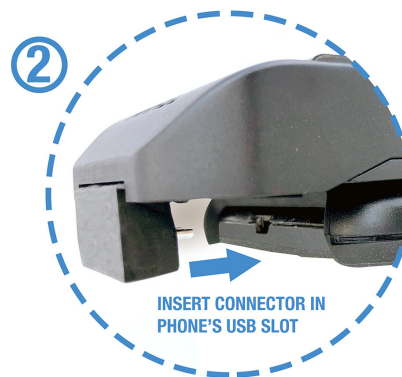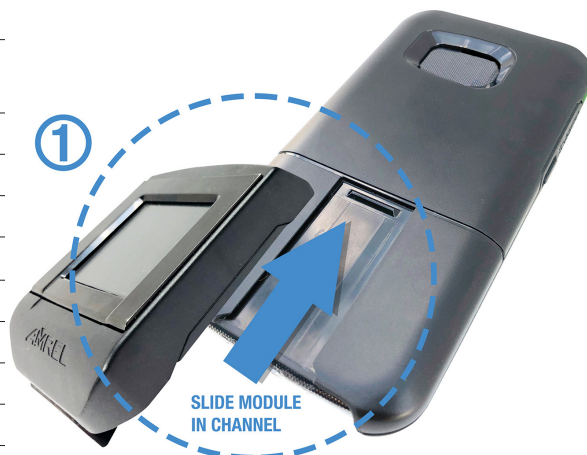✓ No membranes

✓ 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.

Item	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
Sensing Area	1.6" (W) x 1.5" (H)
Platen Area	3.38" x 2.12" | 85.85 x 53.97 mm
Gray Scale	256 grayscale dynamic range
Image Size	800 (W) x 750 (H) pixels
Image Supported Formats	RAW, JPEG2000, BMP, PNG, WSQ
Scanner Physical Size	65.1 x 61.7 x 14.2 mm | 2.56" x 2.43" x 0.56"
Product Weight	<55 Grams | 1.94 oz.
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
API Interface	Capture Single Finger Direct - Multi-device / Multi-thread support
USB Power Requirement	4.40V ~ 5.25V, Full Scanning TFT; Suspend <2mA
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
Storage Temperature	-40°C ~ +80°C / -22°F ~ 140°F
Humidity	30~85% RH < 40°C / 104°F (Non-condensing)
Ingress Protection	IP-65 Sealed bezel to scanning surface
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
Hazardous Material	RoHS Directive 2002/95/EC
OS Support	Windows 7, Windows 8.x Windows Server, Windows Mobile 6.5, Linux, Android 4.0 (or higher)

① SLIDE MODULE IN CHANNEL

② INSERT CONNECTOR IN PHONE'S USB SLOT

③ MODULE INSERTED

APPLICATIONS

Law Enforcement (Mobile ID) Prison / Inmates Border Security Security Checkpoints Voter Registration

AMREL ®
AMERICAN RELIANCE, INC

For more information, please contact:
AskUs@amrel.com | +1.626.482.1862
http://www.amrel.com

ENG-BioFlex S 2F (Gen2)-Rev.A