BioFlex

rugged fingerprint scanner

NEW!

AMREL®

Pioneering Customized Rugged Solutions

FINGERPRINTS

ON THE GO!

AMREL's bioflex case fits your smartphone

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AMREL's new durable BioFlex 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 appendix F scanners into your favorite mobile device. By adding state-of-the-art Light Emitting Sensor (LES) technology, you can produce the FAP 45 -compliant fingerprint images even when using the smallest, lightest form factors.

- Enables fingerprint capture in commercial smartphones
- Lightweight (~2ounces)
- Dual flat print and single finger roll scan
- Ergonomically designed
- IP 65/IP67, MIL-STD 810F
- Windows, Linux, or Android
- FAP 45
- Operates in direct sunlight
- No membranes
- Meets common domestic & international standards

BioFlex Technical Specifications

Item	Standard
Resolution	500 PPI
Sensing Area	1.6” (W) x 1.5” (H)
Image Size	800 (W) x 750 (H) pixels
Scanner Physical Size	65.4 mm x 61.6 mm x 14.3 mm
Case Dimensions	W 3.24” x H 5.92” x D 0.68”
Case Weight	0.31 lb
Interface	USB 2.0
USB Certification Spec	USB-IF USB.ORG
USB Power Requirement	4.40V – 5.25V, Full Scanning TFT <300mA; Suspend <2mA
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
Speed	>10 FPS: 1.6 GHZ Atom Z530 processor
Product Weight	<60 Grams
Air Discharge / Contact Discharge	In compliance with IEC 61000-4-2
Operating Temperature	-20°C ~ +60°C
Humidity	30~85% RH < 40°C (Non-condensing)
RoHS Compliant	RoHS Directive 2002/95/EC
IP65	Sealed bezel to scanning surface
IP67	Available upon request
API Interface	Capture Single Finger Direct - Multi-device / Multi - thread support
OS Support	Windows7, Windows8, Linux, Android 4.0
Surface Durability	MIL-C-675c 4.5010, MIL-STD-810F
Surface Resistance	Ammonia, IPA, Methanol, Soaps/detergents, Salt Water
Vibration Test	per MIL-STD-810F (Method 514.5), Category 24, Fig. 514.5C-17

Product Images

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