

BIOFLEX® XP8-ID

Ultra-Rugged Biometric Smartphone

AMREL®
Pioneering Customized Rugged Solutions

“The lightest, toughest, mobile biometric device in the world”

- *Equipped with FBI-Certified FAP45 single/dual finger capture & rolls capable*



The XP8-ID Just Got Even Tougher.

Successor to the XP7-ID, the XP8-ID received a technology refresh and upgrade with a new Snapdragon chipset. can survive hazardous and extreme environments with industry-leading rugged performance standards - MIL-STD 810G and Non-Incentive Class I, II, & III, Div 2 ratings.

Enroll and Verify in the Field

No more taking a suspect's word for their identity. No more wasting time driving them to a booking station. Ultra-Rugged BioFlex® XP8-ID lets you capture fingerprints and identify suspects in the field.

High Quality Prints with FAP20/FAP45 Scanner

Since the XP8-ID generates Electronic Fingerprint Templates that are FAP20- or FAP45-certified, you will get accurate information from the widest possible number of databases.

The Toughest Smartphone. Period.

Ultra-Rugged XP8-ID biometric solutions are built on the most rugged smartphone found anywhere. Independently certified to MIL-STD 810 and IP-68/69, the BioFlex® XP8-ID is impact-resistant, drop proof, and waterproof.

Interoperable Communications

You have a wide choice of communications options over tactical/ public networks including FirstNet and P-25 as well as 4G-LTE. Connect instantly, reliably, every single time with Push-To-Talk*. Supports SMS, MMS, Video calling, and advanced messaging.

Built for the Real World

Access programmable buttons and applications in any condition with gloved hand and wet finger operation. Enjoy all-day power with a 4900mAh multi-shift battery. Hear every word even in the noisiest places with extremely loud and clear audio.

BioFlex® XP8-ID Technical Specifications

Core Platform & Functions	
Operating System	Android Nougat 7.1.1
Chipset	Snapdragon 630 OctaCore @ 2.2GHz 64-bit
Band	LTE: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B14/B20/B25/B26/B27/B28/ B29/B30/B38/B39/B40/B41/B66 UMTS: B1/B2/B4/B5/B8 CDMA/EVDO ¹ : BC0/BC1/BC10 GSM: 850/900/1800/1900MHz
Antenna	MIMO antenna for LTE
Wireless	IEEE802.11 a/b/g/n/ac/r 2.4/5GHz Miracast™ - WiFi direct
Memory	4GB RAM/64GB ROM (45GB available user memory) Supports up to 128GB MicroSD external memory
Preloaded Applications	Sonim SCOUT, Push-to-Talk ² , Lone Worker/Man-down ² , Google Play
Connectivity	
Bluetooth	BT5.0 with BLE
WiFi Calling	Yes
Messaging	SMS, MMS, Video Calling, OMA CPM Advanced Messaging
GPS	GPS, GLONASS, BeiDou
Sensors	Accelerometer, E-Compass, Light, Proximity, Barometer, Gesture, Gyro
NFC	Yes
Languages Supported	Visit support.google.com for a full list of languages ³
Display	
Size/Type	5.0" Gorilla Glass 3
Resolution	Full HD 1080x1920
Colors	16.7M

¹ CDMA/EVDO available for certain carriers only.
² Please check with your service provider for availability.
³ Language availability based on region.

Audio	
Microphone	3 mic solution with noise cancellation
Speaker	Dual front-facing loud speakers; output 100dB+
HAC	M4/T4 Hearing Aid Compatible
Multimedia	
Audio Formats	AMR-NB, AMR-WB, AAC, AAC+, AAC+V2, MP3
Video Formats	3GPP, MP4, WMV, AVI, MOV, MPEG-2, MPEG-4, H.263, H.264, H.265
Graphic	JPEG, PNG, BMP
Media Player	Yes
FM Radio	Yes
Camera	12MP PDAF Rear Camera with Flash 8MP FF Front Camera without Flash
LED Torch Light	Yes
Battery	
Capacity	4900mAh Li-Ion, Removable
Charging	Quick Charge 4.0 via USB-C
Physical Characteristics	
Size	6.45 x 3.13 x 1.5 in (163.8 x 79.5 mm x 38.1 mm)
Weight	0.85 lbs. (0.39 kg)
Dedicated Keys	Push-to-Talk (PTT) Key, Programmable Key, Volume Keys, SOS Red Alert, Power On/Off; Home, Back, & Recent
Ports	XPand Interface, USB-C, Sonim SecureAudio Connector, Charging Pins, Dual Nano SIM Card Slots
Lanyard Loop	Yes
Rugged Certifications	Non-Incendive Class I, Div 2, Groups A, B, C, D; Class II & III, Div 2, Groups F, G; MIL-STD-810G; IP-68 / IP-69
Inbox Accessories	
Battery, Wall charger, USB-C Cable, Screwdriver, Quick Start Guide	

FBI-CERTIFIED FINGERPRINT SENSORS		
SPECIFICATION	FBI PIV & Mobile ID FAP20 Fingerprint Sensor	FBI PIV & Mobile ID FAP45 Fingerprint Sensor
Technology	Optical	Light Emitting Sensor (LES)
Resolution	500 PPI	500 PPI
Sensing Area	0.6" (W) x 0.8" (H) 15.24 (W) x 20.32 (H) mm	1.6" (W) x 1.5" (H)
Platen Area	0.65" (W) x 0.83 (L) 16.5 (W) x 21.0 (L) mm	3.38" x 2.12" 85.85 x 53.97 mm
Grayscale	256 level	256 grayscale dynamic range
Image Size	300 (W) x 400 (H) pixels	800 (W) x 750 (H) pixels
I/O Port	USB2.0 High Speed	USB 2.0 (Pogo Pin, Molex 51146-0600, Molex 51021-0600)
Image Supported Formats	RAW, BMP, WSQ, ISO 19794-4	RAW, JPEG2000, BMP, PNG, WSQ
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	Windows - Server, 7, 8.x, Mobile 6.5 Linux, Android 4.0 (or higher)
Certification	CE, FCC, KC, UL/CB, IEC 62471, WEEE, WHQL	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
Environment	Operating Temperature: -10°C ~ +50°C Operating Humidity: 10~90% Relative Humidity	Operating temperature: -10°C ~ +55°C / 14°F ~ 131°F Air & Contact Discharge, Humidity, Surface Durability, Vibration Test, Surface Resistance, Hazardous Material IP-65 Sealed bezel

** Specifications subject to change without notice **