

BIOSENSE™ AT80 MAX

8" RUGGED ANDROID™ BIOMETRIC TABLET

AMREL®
Pioneering Customized Rugged Solutions

Quickly Enroll & Identify with a Mobile 4-4-2 Biometric Tablet



MIL-STD-810G
Certified



IP-RATING 67



Lightweight



FBI-Certified

The **BEST** Fingerprint Images

The industry-leading 4-4-2 fingerprint scanner uses cutting-edge Light Emitting Sensor (LES) technology to produce high-resolution images. Rated FAP50 (Appendix F), the scanner's LES surface is less susceptible to smudging than the traditional glass surface, so there are fewer errors. Furthermore, special optical bonding reduces glare, reflection, and distortion. Good for enrollment, verification, and identification applications.

Built to Withstand Extreme Environment

The BioSense™ AT80 MAX earned its exceptional environmental rating the hard way. We've dunked, baked, and froze this durable Android tablet and it still works. Ideal for field work in challenging environments, you will not find a more reliable biometric tablet solution.

FBI-Certified FAP50 Fingerprint

Equipped with an FBI-certified FAP50 fingerprint for high quality prints, operators can capture fingerprints on demand and in any environment. Single or dual, flat or rolled prints, you can enroll and identify individuals anytime, anywhere.

Flexibility + Rapid Prototyping = Successful Adoption

Designed for easy customization, the BioSense™ AT80 MAX makes it easy to incorporate end-user feedback into any roll out. Reduce the risk of adoption failure and gain maximum flexibility in adapting to real-world application scenarios.

BioSense™ AT80 MAX TECHNICAL SPECIFICATIONS

Item	Standard
Processor	Texas Instrument OMAP 4470 Dual-core 1.5GHz
Memory	1GB LPDDR RAM
Storage (Built-In)	8 GB
Micro SD	Supports SDHC up to 32GB
Display	8-inch LCD (1024x768), 350 nits Optically bonded
Touch screen	10-point Capacitive
Front Camera	5MP Camera Module
Rear Camera	5MP Camera Module
OS	Android 4.3
Wireless	802.11 b/g/n
GPS	Yes
4G	Optional 4G LTE
I/O Ports	Micro SD card x 1, Power jack x 1, USB2.0 Host/OTG x 1, Speakers x 2, Headphone x 1, 3.5mm headphone jack x 1 Internal: PCIe/USB x 1, SIM holder x 1 Options: Serial (RS232/422/485) x 1, Ethernet 10/100 (RJ45) x 1, USB2.0 Host x 2

Item	Standard
Power Input	12V power jack
Vibrator motor	Yes
G-Sensor	Yes
Light Sensor	Yes
Accelerometer	Yes
E-Compass	Yes
Battery	3.7V/4200 mAh Li-Ion Battery
Size	6.87" L x 12.7" W x 0.95" H 17.45 x 32.25 x 2.41 cm
Weight	2.05 lbs
Available Colors	Moon Gray, Sky Blue, Pirates Gold, Marigold, Sunset, Titanium, Crimson Red, Sage Green, Forest Green, Steel Blue
FBI PIV & Mobile ID Certified Fingerprint Sensor	• FBI PIV & Mobile ID FAP50 Fingerprint Sensor (See below specifications)

ENVIRONMENTAL RATINGS	
MIL-STD 810G Certified	
Altitude	Method 500.5, Procedure I & II
High Temperature	Method 501.5, Procedure I & II, Operating: +60 °C
Low Temperature	Method 502.5, Procedure I & II, Operating: -20 °C
Vibration, Category 4	514.6C-1, Category 4
Vibration, Category 20	514.6C-1, Category 20
Rain	Method 506.5, Procedure II
Humidity	Method 507.5
Operational Shock	Method 516.6, Procedure I
Crash Hazard Impulse Shock	Method 516.6, Procedure V
Bench Handling	Method 516.6, Procedure VI
IEC IP-67 Certified	Dust-protected; water immersion up to 3ft

FINGERPRINT SCANNER SPECIFICATION	
FBI Appendix F Certified, Mobile ID FAP50 10-Print Scanner	
Sensor Type	Light Emitting Sensor (LES) TFT camera
Resolution	500 PPI
Grayscale	256 grayscale dynamic range
Image Size	1600 (W) x 1000 (H) pixels
Supported Image Formats	RAW, JPEG2000, BMP, PNG, WSQ
FBI Certification / Image Certification	FBI Appendix F certified, Mobile ID IQS FAP50, PIV, GSA FIPS201
Capture Types	Four-finger flat, two-finger flat, single-finger flat, single-finger rolled
Platen Size	3.38" x 2.12" 85.85 x 53.97 mm
Sensing Area	3.2" x 2" 81.28 x 50.80 mm
I/O Port	USB 2.0
OS Support	Windows Desktop 32/64-bit (7, 8, 10), Windows Server, Linux, Android 4.0+, Java
Certification	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 ~ +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