

BIOSENSE™ AT80B

8" RUGGED ANDROID™ BIOMETRIC TABLET



AMREL®
Pioneering Customized Rugged Solutions



MIL-STD 810G
Certified



IP-RATING 67



Lightweight



FBI-Certified

Biometrics Just Got Tough

The BioSense™ AT80B earned its IP67 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 FAP45 Fingerprint

Equipped with an FBI-certified FAP45 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.

The BEST Fingerprint Images

The industry-leading Sherlock® two-finger roll scanner

uses cutting-edge Light Emitting Sensor (LES) technology to produce high-resolution images. Rated FAP45 (PIV and 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.

Flexibility = Economic Prototyping = Successful Adoption

Designed for easy customization, the BioSense™ AT80B 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™ AT80B TECHNICAL SPECIFICATIONS

Item	Standard	Item	Standard
Processor	Texas Instrument OMAP 4470 Dual-core 1.5GHz	Power input & Battery	12V power jack; 3.7V battery
Memory	1GB LPDDR RAM	Vibrator motor	Yes
Storage (Built-In)	8 GB	G-Sensor	Yes
Micro SD	Supports SDHC up to 32GB	Light Sensor	Yes
Display	8-inch LCD (1024x768), 350 nits Optically bonded	Accelerometer	Yes
Touch screen	10-point Capacitive	E-Compass	Yes
Front Camera	5MP Camera Module	Battery	3.7V/4200 mHA Li-Ion Battery
Rear Camera	5MP Camera Module	3G Module	Optional 3G Module Cinteron LGA PXS8
OS	Android 4.3	Size	11 3/4" (L) x 6 7/8" (W) x 15/16" (H) (with bumpers)
Wireless	802.11 b/g/n	Weight	1.91 lbs
GPS	Yes	FBI Next Generation Identification Image Quality Specifications Certified	EBTS Mobile ID FAP 45 Appendix F
3G	Supports 3G modem		
I/O Ports	Micro SD card x 1, Power jack x 1, USB2.0 Host/OTG x 1, PCIe/USB x 1, SIM holder x 1, Speakers x 2, Headphone x 1, 3.5mm headphone jack x 1 Options: Serial x 1, Ethernet 10/100 (RJ45) x 1, USB2.0 Host x 3 (Internal)		

ENVIRONMENTAL RATINGS

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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

SHERLOCK FAP45 TWO FINGER SCANNER

Item	Standard
Resolution	500 PPI
Sensing Area	1.6" (W) x 1.5" (H)
Image Size	800 (W) x 750 (H) pixels
I/O Port	USB 2.0
Processor	>10 FPS: 1.6 GHZ Atom Z530 processor
Air/Contact Discharge	In compliance with IEC 61000-4-2
Operating Temperature	-20°C ~ +60°C
Humidity	30~85% RH < 40°C (Non-condensing)
Compatibility	IP65 Compatible (IP67 available upon request)

*Specifications subject to change without notice