

BIOSENSE™ PA5B

10" ANDROID BIOMETRIC TABLET

AMREL®
Pioneering Customized Rugged Solutions

Rugged Modular Android Biometric 10" Tablet



Capture & Enroll Biometric Data Wherever You Are, Whenever You Want It

With a big, sunlight-readable, 10" screen, BioSense PA5B Biometric Tablet doesn't sacrifice visibility for mobility. Its day-long batteries and energy-thrifty Atom processor mean the BioSense PA5B will not die on you when you need it the most.

Strictest Ruggedness Standards

The tough BioSense PA5B Biometric Tablet meets the demanding IP-65 and MIL-STD 810G ruggedness requirements. Ideal for public safety officers, military personnel, border patrol agents, and other field operators, this biometric tablet will operate even in the harshest conditions.

Multiple Modular Options

Law enforcement professionals can select fingerprint scanners that are FBI-certified for FAP20 (single finger) or FAP45 (flat and rolled). Also available are modules with capabilities for MSR, NFC, smart card (CAC), 2D barcode, and more. You can even install your own application into a module, and put your proprietary technology on the proven platform of the BioSense PA5B tablet.

OS Choices

Available with an Android 4.4.4 OS, AMREL also offers rugged 10" biometric tablets with Windows.

SPECIFICATIONS - BioSense™ PA5B 10.1" RUGGED ANDROID™ BIOMETRIC TABLET

Operating System	Android 4.4 (KitKat)	Sensor	Gyroscope, G-sensor, E-compass, Light sensor		
CPU	Intel® ATOM™ E3827 (BayTrail) Processor 1.75 GHz	Power Adapter	AC 100V~240V, 50~60Hz Input; 19VDC@3.42A, 65W		
Memory	4GB RAM	Battery	<ul style="list-style-type: none"> • Standard : 4500mAh, 10.8V, hot swappable battery Battery operation* : 6 hours • Extended (option): 9000mAh, 10.8V, hot swappable battery Battery operation* : 12 hours <small>*The listed battery life is based on Mobile Mark 2014* media mode testing.</small>		
Storage	Standard: 32GB eMMC Option: 64GB eMMC	I/O Interface	<ul style="list-style-type: none"> • USB 3.0 Type A x 1, USB 2.0 Type A x 1 • Gigabit ethernet (RJ-45) x 1 • RS-232 x 1 (trade-off option: USB 2.0 Type A x 1) • Micro SD x 1, Micro SIM x 1, Micro HDMI x 1 • Audio jack (headphone/microphone combo) x 1 • RF pass-through connector x 2 for WLAN, GNSS, WWAN • Docking connector (12-pin) x 1 		
Display	<ul style="list-style-type: none"> • 10.1" WUXGA (1920 x 1200), 1000 nits sunlight readable • 5-point capacitive touch supports glove touch, water rejection, palm rejection, 2mm hard tip stylus • Gorilla Glass 3 • Digitizer (option) 	Dimensions and Weight	14" x 7.7" x 0.9" (35.56 x 19.5 x 2.3 cm) 3.0 lbs. (1.36 kg)		
Graphic	Intel HD Graphics	LED Indicator	<ul style="list-style-type: none"> • Power on/off • Wi-Fi on/off • Fn on/off • Battery full /charging/low 		
Control Button	<ul style="list-style-type: none"> • Programmable button x 3 • Barcode trigger x 1 • Power, volume, home button 	Rugged Features	MIL-STD 810G & IP-65 Certified Vibration, shock, and 5-foot drop		
Communication	<ul style="list-style-type: none"> • Wi-Fi 802.11 a/b/g/n • Bluetooth V4.0+EDR • GNSS(GPS/Glonass/BeiDou) • Optional 4G LTE 	Environment	<ul style="list-style-type: none"> • Operating temperature -4° F to 122° F (-20° C to 50° C) • Storage temperature -22° F to 158° F (-30° C to 70° C) • Humidity: 95%, non-condensing 		
Camera	<ul style="list-style-type: none"> • 2MP front camera • 5MP rear camera with auto focus and LED flash 	Security	TPM 1.2 Optional Janus USB Ignition Key, Phoenix SecureWipe		
Data Collection	<ul style="list-style-type: none"> • FAP20 FBI PIV & Mobile ID FAP20 Single Fingerprint scanner • FAP45 FBI-certified fingerprint scanner (single/dual, flat or rolled prints) • FAP45 fingerprint scanner + MSR • NFC + Smart card reader (CAC) (Snap-on option) • 2D barcode reader (built-in option) 	Accessories	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> INCLUDED: <ul style="list-style-type: none"> • Stylus Pen • Hand strap • Shoulder strap • Handle • Power adapter </td> <td style="width: 50%; border: none;"> OPTIONAL: <ul style="list-style-type: none"> • Desktop Dock • Vehicle Dock • VESA Mount Bracket • 2-bay Battery Charger • Long Life Battery Pack </td> </tr> </table>	INCLUDED: <ul style="list-style-type: none"> • Stylus Pen • Hand strap • Shoulder strap • Handle • Power adapter 	OPTIONAL: <ul style="list-style-type: none"> • Desktop Dock • Vehicle Dock • VESA Mount Bracket • 2-bay Battery Charger • Long Life Battery Pack
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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 **