

BIOPTIX™ PM3B

7" WINDOWS® BIOMETRIC TABLET

AMREL®
Pioneering Customized Rugged Solutions

Compact, Multi-Security Reader 7" Windows Biometric Tablet



BIOPTIX PM3B is the world's first tablet that can read Machine Readable Zone (MRZ) data. Designed for passport control officers, border security personnel, law enforcement professionals, and other field operatives, its high-performance 508-dpi fingerprint scanner is FBI-certified for FAP20/45. BIOPTIX PM3B also has capabilities for NFC, MSR, 2D barcode, and 8MP camera.

Light and Strong

Barely 2 lbs. and an inch thick, the mobile BIOPTIX PM3B tablet doesn't skimp on ruggedness. Intended for use in harsh environments, its built tough with Gorilla glass as well as MIL-STD 810G and IP-65 ratings.

Real-time Communications Wherever You Go

Patrol management and tracking is easy with options for WiFi, Bluetooth, Cellular, and GPS/GLONASS.

Sunlight Readable

Even in direct sunlight, the super-bright 850-nit 7" display is clearly legible. Anti-reflective /anti-

fingerprint coating and advanced optical bonding technology grants exceptional visibility.

Enhanced Security

Options include an encrypted SSD with FIPS 140-2 certification as well as a one-button emergency SSD erase that utilizes Phoenix SecureWipe technology. Janus USB ignition key authenticates users by combining BIOS cloud services and physical token.

One lightweight mobile device:

- Reads MRZ data
- Captures high-quality fingerprints
- Tracks patrol movements
- Secures sensitive data
- Photographs suspects
- Survives harshest conditions
- Communicates in real-time

Perfect for border patrol, passport control, road blocks, and law enforcement.

SPECIFICATIONS - BIOPTIX PM3B RUGGED 7" BIOMETRIC TABLET							
Operating System	<ul style="list-style-type: none"> Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro 	Sensor	Gyroscope, e-compass, light sensor, g-sensor				
CPU	Intel® Celeron® N2930 Processor 1.83GHz	Power Adapter	<ul style="list-style-type: none"> AC 100-240V AC, 50/60Hz Input; 65W 				
Memory	4GB DDR3L RAM Optional 8GB DDR3L RAM	Battery	<ul style="list-style-type: none"> Standard: 7.4V/2900 mAh Optional: 7.4V/4200 mAh (hot swappable) 				
Storage	<ul style="list-style-type: none"> Standard 128GB Optional 256GB SSD Optional FIPS 140-2 certified SSD (64~256GB) 	I/O Interface	<ul style="list-style-type: none"> USB 3.0 Type A x 2 Gigabit Ethernet (RJ-45) x 1 RS-232 x 1 Audio jack x 1 Micro SD slot x 1, Micro SIM slot x 1 Speaker & microphone DC-in x 1 Docking connector (32-pin) x 1 				
Display	<ul style="list-style-type: none"> 7-inch WSVGA (1024 x 600) Multiple capacitive touch screen with Gorilla Glass 850 nits sunlight readable, optical bonding with AR/AF solution 	Dimension & Weight	<ul style="list-style-type: none"> 8.9" x 6.6" x 1.1" (22.5 x 16.8 x 2.7 cm) 2.09 lbs. (0.95 kg) 				
Communication	<ul style="list-style-type: none"> Bluetooth V4.0+EDR Wi-Fi 802.11 a/b/g/n/ac GPS/GLONASS (Optional BeiDou) Optional 4G LTE 	Rugged Feature	<ul style="list-style-type: none"> MIL-STD 810G and IP-65 certified Shock, vibration, and 5-ft drop resistant -20oC to 50oC operating temperature -30oC to 70oC storage temperature 				
Camera	<ul style="list-style-type: none"> 2MP Front 8MP AF rear with LED flash 	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 				
Data Collection	<ul style="list-style-type: none"> NFC (Standard) Capacitive Fingerprint Sensor (508dpi) Optional Readers: MSR reader (Snap-on) 2-in-1 module: 2D barcode reader + MSR (Snap-on) 2-in-1 module: MRZ + MSR reader (Snap-on) 2-in-1 module: MRZ + 2D Barcode reader (Snap-on) (by request) 	Security	<ul style="list-style-type: none"> TPM 2.0 Optional Janus USB Ignition Key, Phoenix SecureWipe 				
Software	DashOn Utility	Accessories	<table border="0"> <tr> <td>INCLUDED:</td> <td>OPTIONAL:</td> </tr> <tr> <td> <ul style="list-style-type: none"> Stylus Hand strap Shoulder strap Handle Power adapter </td> <td> <ul style="list-style-type: none"> Desktop Dock Vehicle Dock VESA Mount Bracket Battery Charger Optional Battery Pack </td> </tr> </table>	INCLUDED:	OPTIONAL:	<ul style="list-style-type: none"> Stylus Hand strap Shoulder strap Handle Power adapter 	<ul style="list-style-type: none"> Desktop Dock Vehicle Dock VESA Mount Bracket Battery Charger Optional Battery Pack
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FBI-CERTIFIED FINGERPRINT SENSORS (BY REQUEST ONLY - Contact Us for More Information)		
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 **