BIOPTIX™ PX5

10" WINDOWS® BIOMETRIC TABLET

AMREL®
Pioneering Customized Rugged Solutions

Powerful 10" Mobile Biometric Tablet with Dual Fingerprint Scanner

A mobile biometric solution designed for law enforcement professionals, border security personnel, passport control officers, and other field operatives.

Rapid, Mobile ID On-the-Go
Identify and enroll in the field with high-performance FBI-certified FAP45 single or dual fingerprint scanners. Capture high-quality flat or rolled prints anytime, anywhere.

Other sensor options include NFC+smart card combo reader (CAC), 3D camera, and integrated 2D barcode reader with OCR capabilities. Easy-to-customize Snap-on connector gives you even more choices.

Energy Efficiency Balanced with Powerful Performance
Seventh generation Intel®Core™ i5-7300U vPro™ 2.6GHz processor and redesigned power management enables long battery life without sacrificing processing speed. Extended battery option allows for up to 23 hours of operation. Hot swappable batteries also support fast charging. For a more economical Core i5 CPU option, users can choose the fifth generation Intel®Core™ i5-5350U vPro™ 1.8GHz processor.

Visibility in All Conditions
With a 1000-nit rating, BIOPTIX PX5's high-resolution, optically bonded WUXGA (1920×1200) full HD display is sunlight readable even in the brightest light. Hyper dimming technology enables adaptation to darker ambient-light conditions. Ten-point capacitive touchscreen supports glove touch, water rejection, and palm rejection.

Only 1" Thick & Fully Rugged
The BIOPTIX PX5 is built tough. Gorilla Glass and MIL-STD 810G & IP-65 certifications mean this durable tablet will work wherever you go and whenever you need it.

Stay Connected
WiFi, Bluetooth, 4G LTE, GNSS, and other communication options enable precise positioning, broader coverage, and stable data transfer.

Enhanced Security
Customized one-button push function quickly erases SSD data during emergencies by leveraging Phoenix's SecureWipe. Janus USB ignition key authenticates users by combining BIOS cloud services and physical token. Trusted Platform Module (TPM 2.0) provides additional security.

SPECIFICATIONS - BIOPTIX PX5 10.1" RUGGED WINDOWS BIOMETRIC TABLET

Operating System	Windows 10 IoT Enterprise	**Sensor**	Gyroscope, G-sensor, E-compass, light sensor
Processor	Intel® Core™ i5-7300U vPro™ 2.6GHz processor (KabyLake 7th generation)	**Power**	AC 100V~240V, 50~60Hz Input; 19VDC@3.42A, 65W
Memory	• Standard 8GB DDR4 SDRAM • Optional 16GB DDR4 SDRAM (by request only; MOQ may apply)	**Battery**	• Standard: 4500mAh, 10.8V, hot swappable battery, operates 12 hours* • Extended option: 9000mAh, 10.8V, hot swappable battery, operates 23 hours* *The listed battery life is based on Mobile Mark 2014® media mode testing.*
Storage	• Standard 128GB M.2 SSD • Optional 256GB, 512GB *Larger capacity drives available upon request*	**I/O Interface**	• USB 3.1 Type C[1] x 1, USB 3.1 Type A x 1, RS-232 x 1 (optional USB 2.0 or Micro SD x 1 trade-off), Gigabit Ethernet (RJ-45) x 1 • Audio jack (headphone/mic combo) x 1, Speaker & mic • Micro SIM x 1, Micro HDMI x 1 • RF pass-through connector (WLAN, GNSS, WWAN) x 2 • Docking connector (12-pin) x 1
Display	• 10.1" WUXGA (1920 x 1200) LCD, 1000 nits sunlight readable with hyperdimming option • 10-point capacitive multi-touch supports glove touch, water rejection, palm rejection, 2mm hard tip stylus • Gorilla Glass 4 • Digitizer with IP-54 pen (optional)	**Dimensions & Weight**	7.7" L x 14.25" x 0.9" (19.5 x 36.2 x 2.3 cm) 3.23 lbs (1.46 kg) [3]
Graphic	Intel® HD Graphics 620	**LED Indicator**	• Power, Wi-Fi, Fn on/off • Battery full /charging/low
Control Button	• Programmable button x 3 • Barcode trigger x 1 • Power, volume, home button	**Rugged Features**	MIL-STD 810G & IP-65 Certified Vibration, shock, and 5-feet drop
Communication	• Wi-Fi 802.11 a/b/g/n/ac • Bluetooth V4.2 • GNSS (GPS/Glonass/BeiDou) • Optional 4G LTE	**Environmental**	• Operating temperature: -4° F to 140° F (-20° C to 60°C) • Storage temperature: -22° F to 158° F (-30° C to 70°C) • Humidity: 95%, non-condensing
Camera	• 2MP front camera • 8MP auto focus rear camera with LED flash	**Security**	TPM 2.0 Optional Janus USB Ignition Key, Phoenix SecureWipe
Data Collection	• FBI-certified FAP 45 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**	**INCLUDED:** • AC Power adapter • Stylus Pen **OPTIONAL:** • Hand strap • Shoulder strap • Handle **ACCESSORIES:** • Desktop Dock • Vehicle Dock • VESA Mount Bracket • 2-bay Battery Charger • Long Life Battery Pack

[1] *USB Type C Gen 1, does not support USD PD or Alternate Mode*
[2] *Listed battery life is based on MobileMark 2014® productivity mode testing with wireless on. Battery life rating is for comparison purposes only. Actual battery life varies by configuration, application, power management, and operating condictions.*
[3] *Actual weight varies by configurations and optional accessories.*

FINGERPRINT SCANNER SPECIFICATION

FBI PIV & Mobile ID FAP45 Fingerprint Sensor

Technology	Light Emitting Sensor (LES)
Resolution	500 PPI
Sensing Area	1.6" (W) x 1.5" (H)
Platen Area	3.38" x 2.12" | 85.85 x 53.97 mm
Grayscale	256 grayscale dynamic range
Image Size	800 (W) x 750 (H) pixels
I/O Port	USB 2.0 (Pogo Pin, Molex 51146-0600, Molex 51021-0600)
Image Supported Formats	RAW, JPEG2000, BMP, PNG, WSQ
OS Support	Windows - Server, 7, 8.x, Mobile 6.5 Linux, Android 4.0 (or higher)
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, Suface Durability, Vibration Test, Surface Resistance, Hazardous Material IP-65 Sealed bezel

*** Specifications subject to change without notice ***