

# BIOPTIX™ PX5

10" WINDOWS® BIOMETRIC TABLET

**AMREL®**  
Pioneering Customized Rugged Solutions

## Powerful 10" Mobile Biometric Tablet with Single Fingerprint Scanner

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



### Fast, Single Fingerprint Captures On-Demand

Identify and enroll in the field with high-performance FBI-certified FAP20 and 30 single fingerprint scanners. Take this mobile device with you 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.

### 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

<b>Operating System</b>	Windows 10 IoT Enterprise	<b>Sensor</b>	Gyroscope, G-sensor, E-compass, light sensor		
<b>Processor</b>	Intel® Core™ i5-7300U vPro™ 2.6GHz processor (KabyLake 7th generation)	<b>Power</b>	AC 100V~240V, 50~60Hz Input; 19VDC@3.42A, 65W		
<b>Memory</b>	<ul style="list-style-type: none"> <li>• Standard 8GB DDR4 SDRAM</li> <li>• Optional 16GB DDR4 SDRAM (by request only; MOQ may apply)</li> </ul>	<b>Battery</b>	<ul style="list-style-type: none"> <li>• Standard: 4500mAh, 10.8V, hot swappable battery, operates 12 hours*</li> <li>• Extended option: 9000mAh, 10.8V, hot swappable battery, operates 23 hours*</li> </ul> <p><i>*The listed battery life is based on Mobile Mark 2014® media mode testing.</i></p>		
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Standard 128GB M.2 SSD</li> <li>• Optional 256GB, 512GB</li> </ul> <p><i>* Larger capacity drives available upon request</i></p>	<b>I/O Interface</b>	<ul style="list-style-type: none"> <li>• USB 3.1 Type C<sup>1</sup> 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</li> <li>• Audio jack (headphone/mic combo) x 1, Speaker &amp; mic</li> <li>• Micro SIM x 1, Micro HDMI x 1</li> <li>• RF pass-through connector (WLAN, GNSS, WWAN) x 2</li> <li>• Docking connector (12-pin) x 1</li> </ul>		
<b>Display</b>	<ul style="list-style-type: none"> <li>• 10.1" WUXGA (1920 x 1200) LCD, 1000 nits sunlight readable with hyperdimming option</li> <li>• 10-point capacitive multi-touch supports glove touch, water rejection, palm rejection, 2mm hard tip stylus</li> <li>• Gorilla Glass 4</li> <li>• Digitizer with IP-54 pen (optional)</li> </ul>	<b>Dimensions &amp; Weight</b>	7.7" L x 14.25" x 0.9" (19.5 x 36.2 x 2.3 cm) 3.2 lbs (1.45 kg) <sup>3</sup>		
<b>Graphic</b>	Intel® HD Graphics 620	<b>LED Indicator</b>	<ul style="list-style-type: none"> <li>• Power, Wi-Fi, Fn on/off</li> <li>• Battery full /charging/low</li> </ul>		
<b>Control Button</b>	<ul style="list-style-type: none"> <li>• Programmable button x 3</li> <li>• Barcode trigger x 1</li> <li>• Power, volume, home button</li> </ul>	<b>Rugged Features</b>	MIL-STD 810G & IP-65 Certified Vibration, shock, and 5-feet drop		
<b>Communication</b>	<ul style="list-style-type: none"> <li>• Wi-Fi 802.11 a/b/g/n/ac</li> <li>• Bluetooth V4.2</li> <li>• GNSS (GPS/Glonass/BeiDou)</li> <li>• Optional 4G LTE</li> </ul>	<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating temperature: -4° F to 140° F (-20° C to 60° C)</li> <li>• Storage temperature: -22° F to 158° F (-30° C to 70° C)</li> <li>• Humidity: 95%, non-condensing</li> </ul>		
<b>Camera</b>	<ul style="list-style-type: none"> <li>• 2MP front camera</li> <li>• 8MP auto focus rear camera with LED flash</li> </ul>	<b>Security</b>	TPM 2.0 Optional Janus USB Ignition Key, Phoenix SecureWipe		
<b>Data Collection</b>	<ul style="list-style-type: none"> <li>• FBI PIV &amp; Mobile ID FAP20 Single Fingerprint scanner</li> <li>• FBI PIV &amp; Mobile ID FAP30 Single Fingerprint scanner</li> <li>• FAP20 or FAP30 fingerprint scanner + MSR</li> <li>• NFC + Smart card reader (CAC) (Snap-on option)</li> <li>• 2D barcode reader (built-in option)</li> </ul>	<b>Accessories</b>	<b>INCLUDED:</b> <ul style="list-style-type: none"> <li>• AC Power adapter</li> <li>• Stylus Pen</li> </ul>	<b>OPTIONAL:</b> <ul style="list-style-type: none"> <li>• Hand strap</li> <li>• Shoulder strap</li> <li>• Handle</li> </ul>	<b>ACCESSORIES:</b> <ul style="list-style-type: none"> <li>• Desktop Dock</li> <li>• Vehicle Dock</li> <li>• VESA Mount Bracket</li> <li>• 2-bay Battery Charger</li> <li>• Long Life Battery Pack</li> </ul>

<sup>1</sup> USB Type C Gen 1, does not support USD PD or Alternate Mode

<sup>2</sup> 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 conditions.

<sup>3</sup> Actual weight varies by configurations and optional accessories.

### FINGERPRINT SCANNER SPECIFICATION

	FBI PIV & Mobile ID FAP20 Fingerprint Scanner	FBI PIV & Mobile ID FAP30 Fingerprint Scanner
<b>Technology</b>	Optical	
<b>Resolution</b>	500 PPI	
<b>Platen Area</b>	0.65" (W) x 0.83 (L)   16.5 (W) x 21.0 (L) mm	0.65" (W) x 0.83 (L)   21.5 (W) x 26.5 (L) mm
<b>Sensing Area</b>	0.65" (W) x 0.83 (H)   15.24 (W) x 20.32 (H) mm	0.65" (W) x 0.83 (L)   20.32 (W) x 25.4 (H) mm
<b>Grayscale</b>	256 level	
<b>Image Size</b>	300 (W) x 400 (H) pixels	400 (W) x 500 (H) pixels
<b>Interface</b>	USB2.0 High Speed	
<b>Image Supported Formats</b>	RAW, BMP, WSQ, ISO 19794-4	
<b>OS Support</b>	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 – 7 or higher (32/64-bit) Linux – Linux Kernel 3.x or higher Android – 4.1 (Jelly Bean) or higher (USB host)
<b>Certification</b>	CE, FCC, KC, UL/CB, IEC 62471, WEEE, WHQL	
<b>Environment</b>	Operating Temperature: -10°C ~ +50°C Operating Humidity: 10~90% Relative Humidity	Operating Temperature: -10°C ~ +50°C Operating Humidity: 10~90% Relative Humidity IP-65 (Sensor surface)

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