

# APEX PX5C

FULLY RUGGED 10.1" TABLET

**AMREL**<sup>®</sup>  
Pioneering Customized Rugged Solutions

## Elevate your experience with the latest technology



### Powerful NEW Processor

APEX PX5C (3rd Gen) just received a new upgrade with Intel<sup>®</sup> 7th Generation (KabyLake) processor. Boasting a powerful 7th generation Intel<sup>®</sup> Core™ i5-7300U vPro 2.6GHz processor, the APEX PX5C tablet is ideal for resource- and data-intensive applications.

### Redesigned Power Management for Longer Use

With the combination of KabyLake's improved CPU power consumption and redesigned power management of PX5C, you can get more mileage out of the tablet through a long working day. Boasting operating time of up to 12 hours on a standard 4500mAh and up to 23 hours on the extended 9000mAh battery pack, you can continue where you left off if you forget your adapter or to charge the tablet.

### MIL-STD-810G, IP65, & 5-foot drop

Built by AMREL, the ruggedness experts, the APEX PX5C Tablet can operate in the frigid cold of commercial freezers or the stifling heat of the most severe deserts. Bake it, shake it, drown it, drop it – this tablet will still keep on working. With scratch-resistant Corning Gorilla Glass,

tough magnesium chassis, and a durable ABS plastic cover, you can have complete confidence in the APEX PX5C tablet no matter where you take it.

### Latest Technology & Communication

PX5C Gen 3 packs the latest technology and features inside:

- Full HD WUXGA (1920 x 1200) display
- Sunlight readable 1000 nit display
- Corning Gorilla Glass 4
- Windows 10 IoT Enterprise
- USB 3.1 Type C x 1, USB 3.1 Type A x 1
- Capacitive multi-touch supports glove touch
- GNSS, Wi-Fi, Bluetooth, optional 4G LTE
- Hot swappable battery design
- Dual pass-through connector for WLAN/ GNSS/ WWAN
- Vehicle & desktop docks available
- Expansion: NFC+Smart card & 2D barcode

# SPECIFICATIONS - APEX PX5C (Gen 3) (Optional: PX5B (Gen 2)) FULLY RUGGED 10.1" TABLET

<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Windows 10 IoT Enterprise</li> <li>• Windows 10 Professional</li> </ul>	<b>Sensor</b>	Gyroscope, G-sensor, E-compass, light sensor		
<b>Processor</b>	<ul style="list-style-type: none"> <li>• <b>APEX PX5C:</b> Intel® Core™ i5-7300U vPro™ 2.6GHz processor (KabyLake 7th generation)</li> <li>• <b>APEX PX5B (Option):</b> Intel® Core™ i5-5350U vPro™ 1.8GHz processor (Broadwell 5th generation)</li> </ul>	<b>Power</b>	AC 100V~240V, 50~60Hz Input; 19VDC@3.42A, 65W		
<b>Memory</b>	<p><b>APEX PX5C (KabyLake):</b></p> <ul style="list-style-type: none"> <li>• 8GB DDR4 SDRAM</li> <li>• Optional 16GB DDR4 SDRAM (by request only; MOQ may apply)</li> </ul> <p><b>APEX PX5B (Broadwell):</b></p> <ul style="list-style-type: none"> <li>• 8GB DDR3L RAM</li> </ul>	<b>Battery</b>	<p><b>APEX PX5C (KabyLake):</b></p> <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><b>APEX PX5B (Broadwell):</b></p> <ul style="list-style-type: none"> <li>• Standard: 4500mAh, 10.8V, hot swappable battery, operates 6 hours*</li> <li>• Extended option: 9000mAh, 10.8V, hot swappable battery, operates 11 hours*</li> </ul> <p><i>*The listed battery life is based on Mobile Mark 2014® media mode testing.</i></p>		
<b>Storage</b>	<p><b>APEX PX5C (KabyLake):</b></p> <ul style="list-style-type: none"> <li>• 128GB M.2 SSD (optional 256GB, 512GB)</li> </ul> <p><b>APEX PX5B (Broadwell):</b></p> <ul style="list-style-type: none"> <li>• 128GB mSATA SSD (optional 256GB)</li> </ul> <p><i>* Larger capacity drives available upon request</i></p>	<b>I/O Interface</b>	<p><b>APEX PX5C (KabyLake):</b></p> <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> <p><b>APEX PX5B (Broadwell):</b></p> <ul style="list-style-type: none"> <li>• USB 3.0 Type A x 1, Gigabit Ethernet (RJ-45) x 1, RS-232 (optional for USB 2.0 type A)</li> <li>• Audio jack (headphone/mic combo) x 1, Speaker &amp; mic</li> <li>• Micro SD x 1, 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>	11" x 7.7" x 0.9" (28 x 19.5 x 2.3 cm) 3.0 lbs (1.36 kg) <sup>3</sup>		
<b>Graphic</b>	<ul style="list-style-type: none"> <li>• <b>APEX PX5C:</b> Intel® HD Graphics 620</li> <li>• <b>APEX PX5B:</b> Intel® HD Graphics 6000</li> </ul>	<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-foot 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>• NFC + Smart card reader module (snap-on option)</li> <li>• Built-in 2D barcode reader (OCR option)</li> <li>• Snap-on connector for easy customization (by inquiry)</li> </ul>	<b>Accessories</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <b>INCLUDED:</b> <ul style="list-style-type: none"> <li>• Stylus Pen</li> <li>• Hand strap</li> <li>• Shoulder strap</li> <li>• Handle</li> <li>• Power adapter</li> </ul> </td> <td style="width: 50%; border: none;"> <b>OPTIONAL:</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> </td> </tr> </table>	<b>INCLUDED:</b> <ul style="list-style-type: none"> <li>• Stylus Pen</li> <li>• Hand strap</li> <li>• Shoulder strap</li> <li>• Handle</li> <li>• Power adapter</li> </ul>	<b>OPTIONAL:</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>
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<sup>1</sup> USB Type C Gen 1, does not support USB 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.

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

