

APEX PA5 (GEN 2)

10.1" RUGGED ANDROID TABLET

AMREL[®]
Pioneering Customized Rugged Solutions

Blazing Fast Octa-Core CPU with latest, GMS-certified Android Pie



Powerful 8-Core Tablet

The 2nd generation of APEX PA5 packs a punch with newly upgraded hardware based on ARM architecture. PA5 (Gen2) is equipped with a fast-in-class Qualcomm[®] Snapdragon 660 SoC and has eight Kryo 260 cores with 20% higher performance than prior generation CPU.

Android 9 (Pie) is GMS-certified

APEX PA5 (Gen2) is the first 10" Android tablet running and is GMS-certified. Not all applications require GMS to run their apps, but it is a nice feature for GMS-dependent apps. This ensures your app will run seamlessly in your daily operations.

13-Hour Battery Life

By incorporating the 660 SoC with reduced power consumption features in our design and optimizing power management, we are able to achieve a long-lasting 13-hour battery life with our standard 4500mAh battery. Field users will never have to be concerned over charging the tablet during your shift.

If you're in a crunch and forget to charge your tablet, fast charge capability will give you 50% in 50 minutes.

Adaptable Display Brightness for Day / Night

PA5's hyper-bright, optically bonded, 1000-nit 10.1" display provides excellent legibility even in harsh sunlight. For mission-critical applications, quickly toggle to "night" or "stealth" mode with a push of a button.

Speedy Connectivity

Connect anytime and anywhere with improved WiFi 802.11ac, Bluetooth 5, GNSS, and 4G LTE options. APEX PA5's 802.11ac WiFi supports 2x2 MU-MIMO (Multi-user, multi-input, and multi-output) and transmits at faster speeds (max 867 Mbps) with MU-MIMO-compatible router/access points.

Get the Latest Upgrades with:

- Android 9 (GMS-certified)
- Qualcomm[®] Snapdragon 660 SoC
- 8MP Front & 13MP rear cameras
- USB 3.1 Type C
- Dual SIM card support
- WiFi 802.11ac, Bluetooth 5, GNSS, or LTE
- Hot swappable battery design
- Optional: Smart card (CAC), NFC, & 2D barcode
- Wide selection of accessories

SPECIFICATIONS - APEX PA5 (Gen2) FULLY RUGGED 10.1" TABLET

Operating System	Android 9.0 (Pie) Google Mobile Services (GMS) Certified	Sensor	Gyroscope, G-sensor, E-compass, Light sensor		
CPU	Qualcomm® Snapdragon™ 660 Octa-Core, 1.9GHz (up to 2.2GHz)	Power Adapter	AC 100V~240V, 50~60Hz Input; 19VDC@3.42A, 65W		
Memory	3GB LPDDR4 RAM	Battery	<ul style="list-style-type: none"> Standard : 4500mAh, 10.8V, hot swappable battery Battery operation* : 13 hours Extended (option): 9000mAh, 10.8V, hot swappable battery Battery operation* : 26 hours <p><small>**The listed battery life is tested with wireless on. Actual performance will vary by configuration, application, and operating conditions.</small></p>		
Storage	32GB eMMC	I/O Interface	<ul style="list-style-type: none"> USB 3.1 Type C x 1 (DP supported), USB 2.0 Type A x 2 Gigabit ethernet (RJ-45) x 1 RS-232 x 1 (trade-off option: USB 2.0 Type A) Micro SD (SDXC/SDHC supported) x 1, Micro SIM x 2 Audio jack (headphone/microphone combo) x 1 RF pass-through connector for WLAN, GNSS, WWAN x 2 (Optional) Docking connector (12-pin) x 1 DC-in x 1 		
Display	<ul style="list-style-type: none"> 10.1"WUXGA (1920 x 1200), 1000 nits Sunlight readable display; supports night & stealth mode 10-point capacitive touch supports glove touch, water rejection, palm rejection, 2mm hard tip stylus Gorilla Glass 	Dimensions and Weight	11" x 7.7" x 0.9" (28 x 19.5 x 2.3 cm) 3.09 lbs. (1.4 kg)		
Graphic	Qualcomm® Adreno™ 512	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 x 1, volume x 2, home button x 1 	Rugged Features	<ul style="list-style-type: none"> MIL-STD 810G IP-65 Certified 5-foot drop 		
Communication	<ul style="list-style-type: none"> Wi-Fi 802.11 ac 2x2 MU-MIMO Bluetooth V5.0 (Class 1) GNSS (GPS/Glonass/BeiDou) Optional 4G LTE 	Environment	<ul style="list-style-type: none"> 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 Altitude, Thermal Shock, Shock, Transit Drop 		
Camera	<ul style="list-style-type: none"> 8MP front camera 13MP rear camera with LED flash 	Security	ARM® TrustZone®		
Data Collection	<ul style="list-style-type: none"> NFC + Smart card reader (CAC) (Snap-on option) 2D barcode reader (OCR-supported; built-in option) 	Accessories	<table border="0"> <tr> <td style="vertical-align: top;"> AVAILABLE: <ul style="list-style-type: none"> Stylus Pen Hand strap Shoulder strap Handle Power adapter </td> <td style="vertical-align: top;"> 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>	AVAILABLE: <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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** Specifications subject to change without notice **

