



In the Field Jobs Made Easier with Intel-Based Ruggedized Tablets



Windows® and Android® 4.4 KitKat Have Your Back

Powered by the Intel® Atom™ processor E3827, the RuggON Rextorm PM-521 ruggedized tablet runs the Windows® or Android® operating system (OS). Furthermore, the processor supports 64-bit Intel® Architecture, enabling 64-bit capabilities to the operating system running on the PM-521. Launching a search, sending a text or getting directions is easy and can be voice

activated. Multitasking is now faster with higher memory optimization, and touchscreen sensitivity is enhanced for swifter and more accurate response. Companies deploying the PM-521 have the flexibility to run either operating system. This gives them access to the rich ecosystem of developers and third-party applications, enabling their mobile workforce to work more effectively.

SPECIFICATIONS

CPU	Intel® Atom™ Processor E3827 (1M Cache, 1.75GHz)	CONNECTIVITY	<ul style="list-style-type: none"> • 802.11ac WLAN • Bluetooth 4.0 Class 1 • GPS • 4G LTE mobile broadband 	DATA CAPTURE	<ul style="list-style-type: none"> • 2D barcode reader • NFC
MEMORY	4GB DDR3L (up to 8GB)	I/O INTERFACES	<ul style="list-style-type: none"> • 1 × USB 3.0 • 1 × USB 2.0 (type A) • 1 × 12-pin docking port • 1 × Audio jack (headphone/microphone combo) • 1 × RS-232 • 1 × Micro HDMI • 1 × Micro SIM • 1 × Micro SD • 1 × Gigabit Ethernet (RJ45) • Speaker and microphone • Dual RF passthrough connector for WLAN, GNSS, WWAN 	RUGGEDNESS	<ul style="list-style-type: none"> • MIL-STD 810G and IP65 certified • Vibration, drop, temperature (–20°C to 50°C), and humidity resistant
STORAGE DRIVE	120GB/240GB Solid-State Drive (SSD)			SNAP-ON	<ul style="list-style-type: none"> • Smart card reader (CAC/RFID) • Magnetic stripe reader
GRAPHICS	Intel® HD Graphics			CAMERA	<ul style="list-style-type: none"> • 2MP front camera • 5MP rear camera
DISPLAY	10.1-inch multitouch LCD (1920×1200) sunlight readable display (0.1–1000 Nits)				
OS	<ul style="list-style-type: none"> • Windows Embedded 8.1 Industry 64-bit • Windows Embedded 8 Standard 64-bit • Windows 7 Professional 64-bit • Windows Embedded Standard 7 64-bit • Android 4.4 KitKat 				

RuggON sets the benchmark in ruggedized products

RuggON is driven by the mission to continually deliver creative pioneering technologies that meet the demands to improve productivity in ruggedized products. Working together with Intel, RuggON takes computing to a higher level with the RuggON Rextorm PM-521.

The RuggON Rextorm PM-521 takes computing to new heights

In addition to offering the best features from the consumer tablet market, the PM-521 is designed specifically to meet the exacting demands of heavy-duty use in the field.

Exceptional viewing experience with 0.1-1000 Nit high resolution WUXGA (1920x1200)

Readability in sunlight is crucial for working outdoors. The PM-521 features a 1000 Nit brightness sunlight readable 10.1-inch display. The high resolution WUXGA (1920x1200) LCD touchscreen is bonded directly to the outer Gorilla Glass[®] layer. This eliminates air gaps and reflections for enhanced viewing under direct sunlight. Additionally under dark and dim conditions, the hyper dimming feature allows the display to be adjusted to 0.1 Nit.

Working comfortably without eye strain or bothering others is now just a touch away.

Distinguishes between intended and unintended touches

The PM-521 ignores unintended touches including the palm of the hand as well as water mist and rain drops, while capturing correct data and command input. With the capacitive touch display, workers can use the tablet without taking off their gloves. For extra accurate touchscreen interactions, a 2mm hard tip stylus is available.

Better connection with GNSS Positioning, 802.11ac WLAN, Bluetooth* 4.0, and optional 4G LTE

Experience precise positioning, faster processing, wider coverage, and more stable data transfers even around buildings or trees with GNSS Positioning (GPS/GLONASS/Beidou), 802.11ac WLAN, Bluetooth 4.0, and optional 4G LTE. For in-vehicle use, connect the PM-521 via the vehicle dock for improved GNSS, WLAN, or WWAN reception using a dual passthrough port. Standard I/O ports include USB 3.0, USB 2.0, RS-232, RJ45, Micro HDMI, Micro SIM, and Micro SD.

Batteries last up to 12 hours and can be swapped in and out without having to turn off the device

With the hot-swappable battery design, batteries can be swapped in and out without ever turning off the device. A high capacity battery, paired with the low-power Intel[®] Atom™ Processor E3827, provide up to 12 hours of battery life for the PM-521 for extended field use. The ECO mode enabled by RuggON's DashON app provides extreme power savings by extending the battery life even further.

Further extend device with snap-on

Expand the functionalities of the PM-521 using snap-on modules such as Magnetic Stripe Readers, Smart Card Readers (CAC/RFID), and more to enhance data collection functionality and product capability.

MIL-STD-810G standards with 5-foot drop resistance and IP65 rating

The PM-521 meets and surpasses the MIL-STD-810G standards for shock and vibration with a superior 5-foot drop resistance onto a concrete surface. With an IP65 rating, the PM-521 offers complete protection against dust and moisture, ensuring the computing performance is not compromised even in harsh environmental conditions. This is further highlighted with the wide operating temperature range (-20°C to 50°C) of the PM-521.

For more information on RuggON ruggedized tablets based on Intel[®] Architecture, visit www.ruggon.com/en/

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