

PM810/PM810XL/PM813 Rugged Tablets

Slim, Rugged, Multi-functional Wireless Computing



The PM810, PM810XL and PM813 Rugged Tablets feature the integration of high brightness 10.1", 11.6" and 13.3" capacitive touch screens and high performance, energy-efficient Intel® Core™ i processors within slim, lightweight, durable packages. With built-in smart card/CAC reader, Wi-Fi and Bluetooth as well as optional data capture modules, these robust tablets offer seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810G/461F and HERO certified with wide temperature range, the PM810, PM810XL and PM813 Rugged Tablets provide reliable operation in harsh, mission-critical environments.

Features

- 10.1", 11.6" or 13.3" high-brightness capacitive screens, digital pen support
- Intel® 8th Generation Core™ i5/i7 processor
- Microsoft® Windows® 10 IoT Enterprise operating system
- NIST compliant BIOS available
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC tolerance
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified
- Built-in smart card/CAC reader
- Detachable keyboard option for 2-in-1 applications



Applications

- First Responders
- Manufacturing
- Hospitality
- Control/Monitoring
- Finance
- Healthcare
- Entertainment/Gaming
- Education
- Construction
- Retail
- Military
- Government
- Logistics
- Smart Cities

Specifications



Model	PM810	PM810XL	PM813
System			
RAM	8GB to 32GB	8GB to 32GB	8GB to 32GB
Storage	256GB to 2TB Flash	256GB to 2TB Flash	256GB to 2TB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise		
NIST Compliance	NIST compliant BIOS available		
Display	10.1” LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable	11.6” LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable	13.3” LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable
Display Resolution	1920 x 1200	1920 x 1080	1920 x 1080
Control Switch and Buttons	1 power button, 2 brightness control buttons, 5 programmable buttons		1 power button, 2 brightness control buttons, 5 programmable buttons
Speaker	Built-in speaker	Built-in speaker	Built-in speaker
Network Interface			
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band		
Bluetooth	Bluetooth 4.2 LE	Bluetooth 4.2 LE	Bluetooth 4.2 LE
I/O Ports			
USB Ports	USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)	USB 2.0 x 1, USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)	USB 3.0 x 3, USB Type C x 1 (data transmitting and charging)
Headset Jack	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
Ethernet Port	1	1	1
Smart Card/ CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		
Mechanical and Environmental			
AC/DC Adapter	Input: 100-240V AC; Output: 20V DC, 3.25A		
Battery Pack	Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)		
Enclosure	ABS + PC plastics and magnesium-aluminum alloy		
Dimensions (H x W x D)	7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm	8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm	10.6 x 13.2 x 0.8 in/ 270 x 335 x 21 mm
Weight	2.86 lbs/ 1.3 kg	3.5 lbs/ 1.6 kg	3.97 lbs/ 1.8 kg
Durability	IP65, MIL-STD-810G and MIL-STD-461F certified		IP65 and MIL-STD-810G certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	Yes	N/A
Regulatory	FCC Class B, CE, RoHS compliant		
Temperature	Operation: -10°C to 60°C (-14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F) Storage: -55°C to 70°C (-67°F to 158°F)		
Humidity	0% – 90% non-condensing		
Major Options			
Barcode Scanner	2D scanner, reads 1D also		
Camera	2 megapixel front camera, and 8 megapixel back camera; or, Intel® RealSense™ Depth back camera, supports distance capture for 3D scanning, environment sensing, and background segmentation applications		2 megapixel front camera, and 8 megapixel back camera
UHF RFID Reader	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 16 feet (4.87m) read distance	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 30 feet (9.14m) read distance	N/A
Long Range Bluetooth	Class 1 Bluetooth (1000 ft)	Class 1 Bluetooth (1000 ft)	N/A
GNSS Module	U-blox M8 GNSS module with concurrent reception of GPS and GLONASS; industry leading -167dBm navigation sensitivity		
Mobile Broadband	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS
Antenna	N/A	N/A	Dual pass through antennas integrated in the docking cradle

* Specifications subject to change without notice.