10.5" SLIM RUGGED TABLET PC | MW-100

FEATURES

- 10.5" IPS LCD Screen (1920 x 1280 Resolution)
- Sunlight Readable LCD Display (600 nits)
- Intel® Alder Lake Processor N200
- Windows 11 Pro/IoT OS
- IP66 Water & Dust Protection
- 5ft Drop / Shock Protection (MIL-STD-810H)
- Intel® Wi-Fi 6E AX210, Bluetooth 5.2, Optional 4G LTE
- Optional: Barcode Reader, SIM Slot
- Rear pogo-pin module options: CAC reader, RFID/NFC/UWB, high-precision GPS

The MW-100 Slim Rugged Tablet PC delivers reliable performance in a compact, ultra-portable design. With IP66 waterproof sealing, MIL-STD-810H drop and shock protection, and a sunlight-readable display, it is engineered for mobile professionals in field service, construction, emergency response, healthcare, and logistics. Weighing just 800g and only 11.6mm thick, the MW-100 combines mobility with durability. Backed by full ODM/OEM services, it can be customized with options including a 2D barcode scanner, 4G LTE, and rear pogo-pin modules such as CAC card reader, RFID/NFC/UWB, and high-precision GPS for maximum flexibility in the field.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP66
Drop Rating	MIL-STD-810H, Method 516.8, Procedure IV
Shock Rating	MIL-STD-810H, Method 516.8, Procedure I
Vibration Rating	MIL-STD-810H, Method 514.8, Procedure I

SYSTEM

Processor	Intel® Processor N200, Max Turbo Frequency 3.7GHz, 6 MB Intel® Smart Cache
GPU	Intel® UHD Graphics, Max Dynamic Frequency 750MHz
Memory	8GB LPDDR5
Storage	128GB
OS	Windows 11 64-bit Pro/IoT
Security	TPM 2.0

DISPLAY

Screen Size	10.5'' IPS LCD
Resolution	1920 x 1280
Brightness	600 nits, Backlight
Contrast Ratio	1500 : 1
Touch Screen	Capacitive 10-Point Multi-Touch
Top Glass	Chemically Hardened Glass for Front Impact Resistance

COMMUNICATIONS

Wi-Fi	Intel® Wi-Fi 6E AX210
Bluetooth	Bluetooth 5.2
4G LTE (Optional)	4G LTE Module with M.2 Interface

POWER

AC Adapter	110-220V AC input, 12V/3A DC output, Magnetic Connector
Battery	2S1P 7.6V 4100mAh (31Wh)

I/O INTERFACE

Sensors	G-sensor, Light Sensor
Audio	2 x Speakers 1 x Built-in Mic
Camera	Front Camera: 5MP Rear Camera: 13MP with Auto Focus
Ports	2 x USB C Ports (Charging / USB 3.1 / Display) 1 x 14 Pin Docking Connector (Support USB 2.0 & Charging) Magnetic Charger Jack Optional: 1 x 10 Pin PoGo Pin Connector on Rear Chassis (Support USB 2.0) Optional: 1 x SIM Slot
Buttons	Power On/Off Button (Hold 10s will Reset the System) Volume+/- Button 1 x Programmable Button
Barcode Scanner	Optional: Built-in 2D Barcode Scanner

MECHANICAL

LED	1 x Charging Indicator, 1 x Power Indicator
Dimensions	246.6 x 185.6 x 11.6mm
Weight	800g
VESA Mount	75 x 75mm, Screw Specifications: M3 Type

ENVIRONMENTAL

Temperature:	
- Operation	-10°C to 50°C
- Storage	-20°C to 60°C
Humidity	10% to 90% Non-condensing

REGULATORY

Certification	FCC, CE, IATA Medical Certification

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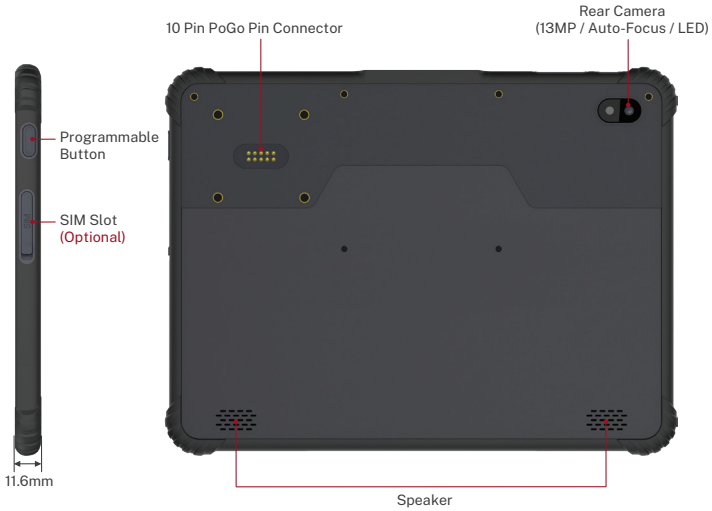
DIMENSIONS AND SYSTEM LAYOUT



OPTIONAL ACCESSORIES AND APPLICATION MODULES

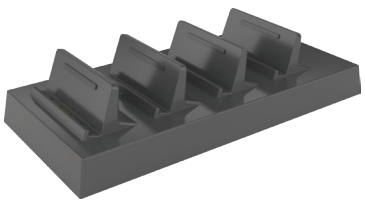
Hand Strap

Barcode Scanner

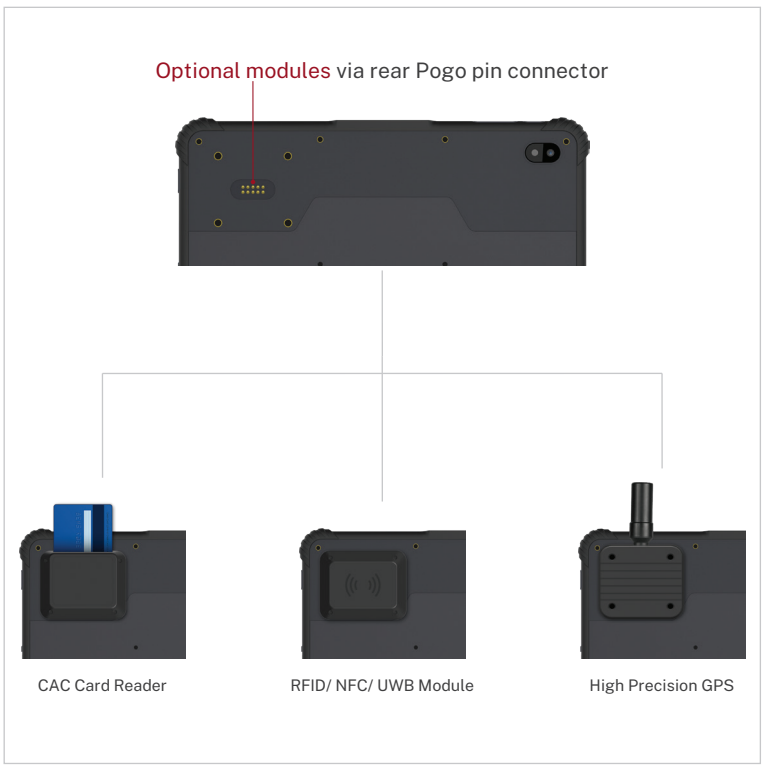
Shoulder Strap

Docking Station

Active Stylus



4-Port Charging Station



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