8" RUGGED TABLET PC | MW-80



FEATURES

- 8" IPS LCD Display (1920 x 1200 Resolution)
- Windows® 11 IoT Enterprise, Intel® Pentium® N6415 CPU
- 8GB LPDDR4X, 128GB SSD (Up to 512GB SSD)
- Capacitive 10-Point Touch Screen (Support Glove or Wet Modes)
- IP65 Water & Dust Protection
- Replaceable Battery
- Expansion Ports of RJ45/USB 2.0/RS232
- Wi-Fi 6, BT v5.1, Optional 4G LTE
- Built-in GPS
- Complete Accessory Package to Facilitate Your Work

The MW-80 features an 8-inch 1920x1200 high-resolution IPS LCD display, providing superior image quality, anti-glare properties, and excellent visibility in both indoor and outdoor environments. Powered by the Intel® Pentium® N6415 processor with 8GB LPDDR4X memory and a 128GB SSD (expandable to 512GB), the MW-80 ensures seamless multitasking and reliable performance for industrial applications. This rugged tablet is equipped with Wi-Fi 6 and optional 4G LTE, offering fast and stable wireless connectivity. The user-replaceable expansion port design supports multiple industrial interface requirements, making it a flexible solution for a range of industries.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP65
Drop Rating	MIL-STD-810H Method 516.8-IX, 1.2m/4'
Shock Rating	MIL-STD-810H Method 516.8-I Procedure I

SYSTEM

Processor	Intel® Pentium® N6415, 1.2GHz Up to 3.0GHz
GPU	Intel® UHD Graphics for 10th Gen Intel® Processor
Memory	8GB LPDDR4X
Storage	128GB SSD Optional: 256GB, 512GB
OS	Windows® 11 IoT Enterprise SAC 64bit

DISPLAY

Screen Size	8'' IPS LCD
Resolution	1920 x 1200
Brightness	500 nits
Contrast Ratio	1000 : 1
Touch Screen	Corning® Gorilla® Class 3 Support Wet & Glove Modes with Capacitive 10-point Touch

COMMUNICATIONS

Wi-Fi	802.11 a/b/g/n/ac/ax 2.4, 5, 6GHz
Bluetooth	v5.1
4G LTE (Optional)	Global Version
GNSS	GPS, Galileo, BeiDou, GLONASS

POWER

AC Adapter	Type C AC Adapter, Input AC 100-240V 50/60Hz, Output DC 20V, 3.25A
Battery	Removable 7.6V, 4200mAh Typical Not Less Than 7.5 hours Working Time

I/O INTERFACE

Sensors	Ambient Light Sensor, Accelerometer
Audio	Built-in Microphone 95db Speaker (10cm, 1kHz)
Camera	Front Camera: 2MP Rear Camera: 5MP with Autofocus and Flashlight
Ports	1 x USB 3.1 Type-A 1 x USB 3.1 Type-C (Charging / USB 3.1 / Display) 1 x 3.5mm Audio Combo Jack 1 x Side-docking Connector 7-pin 1 x Micro SDXC (Max: 1TB) Slot 1 x Nano SIM Slot
Buttons	Power On/Off, Screen Rotation Lock Home, Volume +/-

Expansion Slot

Expansion Slot	USB 2.0 + USB 2.0 RS232 RJ45 Barcode Scanner

MECHANICAL

Status Indicators	1 x Power, 1 x Battery, 1 x Front Camera
Chassis	Magnesium-aluminum Alloy Internal Frame
Dimensions	236.0 x 142.0 x 15.9mm
Weight	0.72kg

ENVIRONMENTAL

Temperature:	
- Operation	-10°C to 55°C
- Storage	-40°C to 70°C
Humidity	0% to 95% Non-condensing

REGULATORY

Certification	FCC, CE, RoHS2, WEEE

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DIMENSIONS AND SYSTEM LAYOUT



OPTIONAL MODULES AND ACCESSORIES



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