13" SLIM RUGGED TABLET PC | MW-130

Standard Configuration Available | ODM/OEM Customization Supported



KEY FEATURES

- 13.0-inch Full HD IPS display with 800-nit brightness
- Intel® N200 processor; optional: Intel® Core™ 3 N355 / Qualcomm® QCS6490 configuration
- Windows 11 IoT Enterprise LTSC 2024; Optional: Windows 11 Pro, Linux, and Android OS
- IP65-rated dust and water protection
- 5 ft (1.5 m) drop resistance; MIL-STD-810H tested for drop, shock, and vibration
- Wi-Fi 6E and Bluetooth® 5.2; optional 4G LTE
- Dual USB Type-C ports, magnetic charging, and a dedicated docking connector
- Programmable Function Button
- Optional rear expansion interface for application-specific integration

The MW-130 is a slim 13-inch rugged computing platform for industrial and field applications, available in a standard configuration, with selectable options, or as the basis for custom ODM/OEM development. Intel® and Qualcomm® processor configurations accommodate different computing and operating system requirements. Docking and charging accessories support deployment, while optional rear modules add CAC card reader, RFID/NFC/UWB, or Ethernet functionality.
For requirements beyond the available options, Estone works with customers to define and develop hardware, software, and integration solutions, subject to technical feasibility and order volume.

SPECIFICATIONS

RUGGEDNESS

IP Rating	IP65
Drop Resistance	5 ft (1.5 m), per 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 & Graphics	**Intel® Processor N200 (Alder Lake-N)** 4 cores, up to 3.7 GHz, 6 MB Intel® Smart Cache *Intel® UHD Graphics* **Optional:** **Intel® Core™ 3 Processor N355 (Twin Lake)** 8 cores, up to 3.9 GHz, 6 MB Intel® Smart Cache *Intel® Graphics* **Qualcomm® QCS6490 Processor** Octa-core Qualcomm® Kryo™ 670 CPU, up to 2.7 GHz *Qualcomm® Adreno™ 643 GPU*
Memory	8 GB LPDDR5; optional: 16 GB with N355 configuration
Storage	128 GB UFS 3.1; optional 256 GB
Operating System	Windows 11 IoT Enterprise LTSC 2024 Optional: Windows 11 Pro, Linux, or Android *Supported operating systems vary by processor configuration.
Hardware Security	TPM 2.0

DISPLAY

Display	13.0-inch IPS LCD
Resolution	1920 × 1080 (Full HD)
Brightness	800 nits
Contrast Ratio	1000 : 1
Touchscreen	10-point capacitive multi-touch
Coating (Optional)	Anti-glare (AG) / Anti-fingerprint (AF)

MECHANICAL

Dimensions (W × H × D)	325.4 × 210.2 × 15.45 mm
Weight	Approx. 1.1 kg
Mounting	4 × M3 threaded holes, 150 × 75 mm pattern; custom mounts available upon request

COMMUNICATIONS

Wi-Fi	Wi-Fi 6E (Intel® AX210)
Bluetooth	Bluetooth® 5.2
Cellular (Optional)	4G LTE (M.2 module)

I/O INTERFACES

Sensors	Ambient light sensor; accelerometer
LED Indicators	1 × charging indicator; 1 × power indicator
Audio	1 × built-in microphone; 2 × integrated speakers
Camera	Front: 5 MP Rear: 13 MP with autofocus and LED flash
USB	2 × USB 3.1 Type-C ports (charging, data transfer, and display output)
SIM Card Slot (Optional)	1 × SIM card slot
Charging Connector	1 × magnetic charging connector
Docking Connector	1 × 14-pin docking connector (USB 2.0 and charging)
Expansion Connector	Optional: 1 × 10-pin rear pogo-pin connector (USB 2.0)
Buttons	1 × power button 1 × volume rocker (up/down) 1 × programmable function button

POWER

AC Adapter	Input: 110–220 V AC Output: 12 V DC, 3 A; magnetic connector Optional: medical-grade AC adapter with USB Type-C output
Battery	2S2P, 7.6 V, 8200 mAh (62 Wh)

ENVIRONMENTAL

Operating Temperature	–10°C to 50°C (14°F to 122°F)
Storage Temperature	–20°C to 60°C (–4°F to 140°F)
Humidity	10% to 90% RH, non-condensing

CERTIFICATIONS & COMPLIANCE

Regulatory Compliance	FCC, CE
Safety Standard	IEC 62368-1
Planned Medical Safety & EMC Standards	IEC 60601-1, IEC 60601-1-2, IEC 60601-1-11 *Not currently certified. Certification targeted for Q2 2027, subject to successful testing and approval.
Battery Transport	UN 38.3
Additional Certification Support	Regional or industry-specific certifications can be supported upon request, subject to project requirements and technical feasibility.

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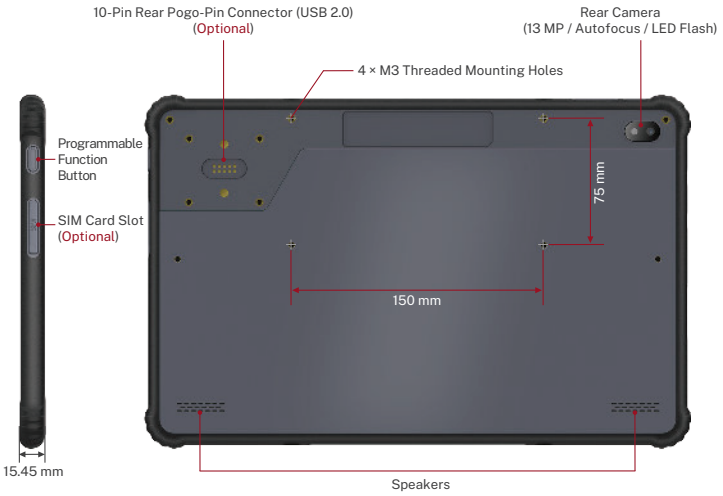
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DIMENSIONS AND SYSTEM LAYOUT





OPTIONAL ACCESSORIES AND APPLICATION MODULES



Shoulder Strap



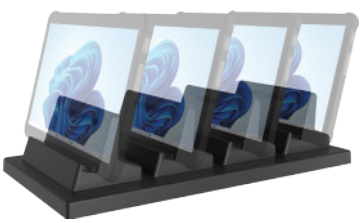
Carry Handle



Active Stylus



Docking Station



4-Port Charging Station

Optional modules via 10-Pin Rear Pogo-Pin Connector (USB 2.0)

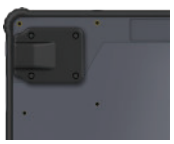




CAC Card Reader



RFID/ NFC/ UWB Module



RJ45 Ethernet Module

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