MH-T01x Series Industrial Rugged Tablet

A robust, high-performing, and versatile solution for industrial environments requiring reliability, adaptability, and precision
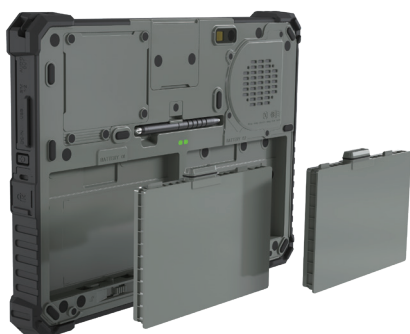
High-Performance Intel Processors

Equipped with Intel 11th Gen. Processors (MH-T01T) and Intel N-Series Processors (MH-T01A), offering powerful multitasking capabilities and seamless performance for demanding industrial applications.

Superior Display for Indoor and Outdoor Use

The 10.1" touch display features a 1000 nits sunlight-readable LCD (MH-T01T), ensuring excellent visibility even in bright outdoor conditions. OCA bonding technology and Corning Gorilla Glass offer exceptional clarity and enhanced screen durability.

Extended Battery Life

Dual hot-swappable batteries deliver up to 8 hours of operation on the MH-T01T and an extended 10 hours on the MH-T01A, ensuring long-lasting and uninterrupted use.

MIL-STD 810H Certified

MH-T01T 1.5m ↓
MH-T01A 1.8m ↓

Built for Extreme Environments

IP65-rated for complete protection against dust and water. Engineered to MIL-STD-810H standards with drop resistance up to 1.5m (MH-T01T) and 1.8m (MH-T01A), offering rugged durability in challenging conditions.

Reliable Connectivity

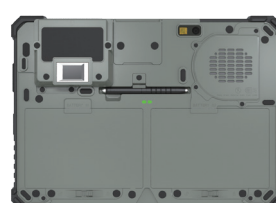Dual SIM card slots ensure stable and consistent network connections for mission-critical operations.

5G NR **4G LTE**

Flexible Cradle Solutions

Optional desktop and vehicle cradles provide secure, convenient, and efficient transitions between mobile and stationary workflows.

Customizable and Expandable Functionalities

Modular expansion slots support a wide range of optional peripherals, including barcode scanner, smart card reader, fingerprint reader, 3D camera, additional USB/COM/LAN ports, or MicroSD slot, providing tailored and scalable solutions.

Industrial Tablet

Rugged Tablet

	Model	MH-T01A	MH-T01T
D I S P L A Y	Size	10.1" IPS	
	Resolution	1920 x 1200	
	Brightness	450 nits	1000 nits
	Lifetime	30,000 hours	
	Touchscreen	Corning Gorilla Glass and Anti-Fingerprint P-CAP Multi-Touch (i) OCA Bonding with WUXGA LCD	
	O.S. Support	Windows 11 IoT GAC 24H2	Windows 11 IoT GAC / Windows 10 IoT LTSC
	CPU Support	Intel® Alder-Lake N50/N200	Intel® 11th Gen. Core™ i7/i5/i3/Celeron® Processor, Max. 4.4GHz
	Memory	LPDDR5 8GB (max. 16GB)	DDR4 8GB (max. 32GB)
	Storage	1 x 256GB M.2 NVMe SSD (max. 1TB)	
	Audio (Speaker / Microphone)	1 x 2W Speaker / 1 x Microphone	
	WiFi + Bluetooth	WiFi 6E + Bluetooth 5.3	
	Battery Capacity	10.8V / 4600mAh / 49.6Wh (dual-main battery for hot-swap)	
	Battery Operation	10 hours	8 hours
	BIOS	AMI	
	G-Sensor + Gyroscope	1	
	Ambient Light Sensor	1	
	Vibrator	1	
	Button	6 (ii)	
	Security	TPM 2.0 / Kensington Lock	
	Fanless / Fan	Fanless	Fan
I / O P O R T S	USB	1 x USB Type C (for fast charging / data transmission / display) 2 x USB 3.0 Type A (iii)	
	DC Jack	1	
	Phone Jack	1	
	SD / SIM	1 (Expansion Slot 1) / 1	
	Cradle Connector	1 x POGO Pin (for charging / external antenna)	
	Expansion Slot	2	
	LAN / COM / HDMI®	1 / 1 (Expansion Slot 1) / --	
O P T I O N S	Barcode Scanner	2D Barcode (Expansion Slot 1)	
	FF Front / AF Rear Camera	2MP (optional Windows Hello) / 8MP with Flashlight	
	3D Camera	1 (either)	
	NFC / RFID		
	MSR / Card Reader	1 (either, Expansion Slot 1)	
	Payment Card Reader		
	4G/5G + GPS	4G/5G Module with GNSS	
	Fingerprint Reader	1 (Expansion Slot 2)	
	Cradle	Desktop Cradle / Vehicle Cradle	
	Battery Charger	2 Bays	
	Strap	Hand Strap / Shoulder Strap	
	IP Rating	IP65	
	Drop Test	1.8m (MIL-STD-810H)	1.5m (MIL-STD-810H)
	Operating Temperature	-10°C~50°C	-10°C~50°C (Battery Mode) and -20°C~60°C (AC Mode)
	Power Adaptor	19V / 3.42V / 65W for tablet	
	Dimensions (W x H x D)	274 x 195 x 25.5mm 283 x 203 x 27.5mm (with rubber corner)	
	Weight	1.08kg (tablet only)	1.28kg (tablet only)
	Certification	CE, FCC, PSE, TELEC	

(i) Supporting Finger / Stylus / Raindrop / Glove   (ii) 1 x Power Button, 1 x Home Key, 2 x Function Key, 1 x Volume+, 1 x Volume-   (iii) One on board and another one on Expansion Slot
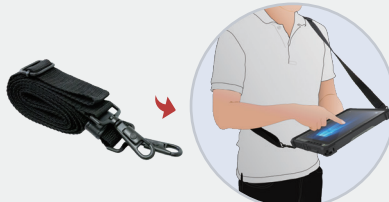
▶ MH-T01A & MH-T01T Accessories

Hand Strap

- 360° rotatable
- Easy stand mode
- Dimensions: 253 x 190mm

Shoulder Strap

- 1 x movable cable tie
- Dimensions: 1950 x 320mm

Battery Charger

- Input: DC In 19V
- 2 x battery bays
- Bi-color LED indicators

Desktop Cradle

Charger Only, No I/O Function

- Output: 2 x pogo pin (3A, GND)
- Input: 1 x DC In 19V
- Security lock slot:
  1 x Kensington lock
  1 x Metal lock (optional)
- Dimensions: 190.8 x 157.5 x 257.3mm

Full I/O Function

- Output: 2 x pogo pin (3A, GND)
- Input: 1 x DC In 19V
- 4 x USB 2.0 Type A
- 1 x COM (DB9) (with 12V/5V/RI)
- 1 x RJ45 (10/100/1000Mbps)
- 1 x HDMI®
- 1 x logo LED indicator
- Security lock slot:
  1 x Kensington lock
  1 x Metal lock (optional)
- Dimensions: 157.5 x 190.8 x 257.3mm

Battery Pack

- Battery type: Li-ion
- Voltage: 10.8V
- Capacity:
  Typical 2400mAh
  Min. 2100mAh
- Number of cells: 3S1P
- Dimensions:
  119.5 x 79.2 x 9.5mm
- Weight: 150g

Vehicle Cradle

- Output: 2 x pogo pin (3A, GND)
- Input: 1 x 9~48V terminal block
  (3 pin φ = 2.5mm) (with ignition function)
- Security lock slot:
  1 x Kensington lock
  1 x Metal lock (optional)
- Dimensions: 310.5 x 100.6 x 262mm
- VESA: 75 x 75mm

- 4 x USB 2.0 Type A
- 1 x COM (DB9) (with 12V/5V/RI)
- 1 x RJ45 (10/100/1000Mbps)
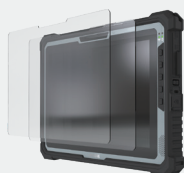- 1 x HDMI®
- 1 x logo LED indicator

Stylus

- Dimensions: 90mm; Ø7mm
- Tip size: Ø2.5mm + Ø5mm
- Spring extension cable length: 100mm

Screen Protector

AF & AG/AF & AR/AF & Anti-UV/AF Tempered Glass Screen Protector

- Dimensions: 238.3 x 162 x 0.45mm
- Hardness: 9H

Power Adapter

- Output: 19V, 3.42A, 65W
- Input: 100V-240V, 50-60Hz, 2.0A
- Dimensions: 105.5 x 46.4 x 28.3mm
- Weight: 300g
- Output cable length: 1200mm
- Input cable length: 1830mm

Vehicle Power Cable

- Cigarette lighter connector:
  1 x 12V/10A with fuse
  1 x LED indicator
- 1 x terminal block (3 pin φ = 2.5mm)
- Cable length: 2000mm