

# M14M

## Rugged AI PC

### AI-Powered Performance

All-new Intel® Core™ Ultra processor  
Windows 11 OS  
Supports for computational needs

### Innovative Triple AI Engines

The newly added NPU  
Dedicated AI acceleration engine  
Efficiently running local AI applications

### Expanded Storage Capabilities

Standard 16+256GB  
Dual memory and dual storage slots  
Allow for easy upgrades and expansion

### Thunderbolt 4 Versatile Interface

Thunderbolt 4 interface for stable transmission  
USB, HDMI, RJ45, RS232, etc.  
Support multiple external devices

### Dual-Battery Powerhouse

56Wh+14.4Wh dual battery  
With advanced performance optimization  
Handling full-load operations effortlessly

### Tough and Portable by Design

14-inch HD&HB screen  
The back features a rotating handle  
IP65 & MIL-STD-810H Certified



# M14M

## 14-Inch Rugged AI PC

## Intelligence at Your Fingertips

# TECHNICAL SPECIFICATIONS

Basic parameters	
Dimension	366.2 x 246.9 x 24.8mm
Material	PC+10%GF
Device Color	Black
LCD	14 inch TFT 16:9, 1920x1080, 1000 nits
Touch Panel	10-point capacitive screen, Hardness above 7H, Scratch-resistant, supports glove touch
Camera	Front 5.0MP(USB) Rear 13.0MP(mipi)
I/O	USB3.2 *1, USB2.0 *2 TYPE-C, Supports Thunderbolt 4 3.5mm Standard Earphone Jack *1 HDMI 2.0a mini *1 SIM card *1, TF card *1 RJ45 *1 10M/100M/1000M self-adaptive, RJ45 *1 10M/100M/1000M self-adaptive(USB2.0), supports Gigabit Ethernet protocol RS232 *1, 9 fully functional lines DC19V/3.78A 5.5mm power interface *1 12PIN Pogo Pin (USB & Charging) *1
Power Adapter	AC100~240V, 19V/3.78A 71.82W output US Standard Optional: EU Standard
Data Collection	Fingerprint, built in, used for power-on login
	NFC Optional, USB interface, supports ISO14443A, ISO14443B, IOS15693, ISO18092, Felica
	2D Barcode Scanner Optional, USB interface, Optical Resolution (Scanning Accuracy): ≥3mil
Internal Expansion Slots	M.2 2280 PCIE interface *1, optional SSD
	M.2 E-KEY PCIE interface*1, optional Custom module
Battery	
RTC Battery	3.0V/220MAH
Small Battery	Built-in Polymer Lithium-ion Battery, Non-removable 1300mah/11.1V (14.4WH) 1.5H (Default 50% volume, 200 lumens brightness, playing 1080P HD video)
Big Battery	Removable Li-polyment Battery, Hot-swappable 4850mah/11.55V (56WH) 8H (1080P video playing with system in balanced mode, 320nits screen brightness, 70db volume at 10cm, and WIFI/BT turned off)

Performance parameter	
CPU	Intel® Core™ Ultra 5 processor 125H Optional: Intel® Core™ Ultra 7 processor 155H
OS	Windows 11 / 10
Memory	RAM 16GB DDR5(4800MHz), optional 32GB ROM 256GB SSD
Network connections	
WIFI	AX200 bands: Supports Wi-Fi 6 802.11a,b,d,e,g,h,i,k, n,r,u,v,w,ac,ax Frequency: 2.4G+5.8G Dual-band WIFI
Bluetooth	BT5.1(BLE) class 1 Transmission distance: 10m
4G	4G, (M.2 interface, European version is optional) LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41
	5G, optional NSA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/ 40/41/48/66/70/71/75/76/77/78/79 SA n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/ 40/41/48/66/70/71/75/ 76/77/78/79 LTE LTE-FDD B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/ 26/28/29/30/32/66/71 LTE-TDD B34/38/39/40/ 41/42/43/48
GNSS	Supports single GPS or single Glonass, default GPS
Reliability	
Working Temperature	-20 °C ~ 60 °C
Storage Temperature	-30 °C ~ 70 °C
Humidity	95% Non-Condensing
Rugged Feature	IP65 certified, MIL-STD-810H certified
Drop Height	1.22m drop
Electrostatic Discharge	±4kV contact discharge, ±8kV air discharge

## Six Views



\*The technical specifications of this product are subject to change without prior notice.