

# 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

53.58Wh+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         |                                                                                                                                                                                                                                                                                                                                                                                           | Performance parameter   |                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension                | 366.2 x 246.9 x 24.8mm                                                                                                                                                                                                                                                                                                                                                                    | CPU                     | Intel® Core™ Ultra 5 processor 125H<br>Optional: Intel® Core™ Ultra 7 processor 155H                                                                                                                                                                                                                        |
| Material                 | PC+10%GF                                                                                                                                                                                                                                                                                                                                                                                  | OS                      | Windows 11 / 10                                                                                                                                                                                                                                                                                             |
| Device Color             | Black                                                                                                                                                                                                                                                                                                                                                                                     | Memory                  | RAM 16GB DDR5(4800MHz), optional 32GB<br>ROM 256GB SSD                                                                                                                                                                                                                                                      |
| LCD                      | 14 inch TFT 16:9, 1920x1080, 1000 nits                                                                                                                                                                                                                                                                                                                                                    | Network connections     |                                                                                                                                                                                                                                                                                                             |
| Touch Panel              | 10-point capacitive screen,Hardness above 7H, Scratch-resistant, supports glove touch                                                                                                                                                                                                                                                                                                     | WIFI                    | AX200 bands: Supports Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax<br>Frequency: 2.4G+5.8G Dual-band WIFI                                                                                                                                                                                                  |
| Camera                   | Front 5.0MP(USB)<br>Rear 13.0MP(mipi)                                                                                                                                                                                                                                                                                                                                                     | Bluetooth               | BT5.1(BLE) class 1<br>Transmission distance: 10m                                                                                                                                                                                                                                                            |
| I/O                      | USB3.2 *1, USB2.0 *2<br>TYPE-C, Supports Thunderbolt 4<br>3.5mm Standard Earphone Jack *1<br>HDMI 2.0a mini *1<br>SIM card *1, TF card *1<br>RJ45 *1 10M/100M/1000M self-adaptive,<br>RJ45 *1 10M/100M/1000Mself-adaptive(USB2.0), supports Gigabit Ethernet protocol<br>RS232 *1, 9 fully functional lines<br>DC19V/3.78A 5.5mm power interface *1<br>12PIN Pogo Pin (USB & Charging) *1 | 4G                      | 4G, (M.2 interface, European version is optional)<br>LTE-FDD: B1/3/5/7/8/20/28<br>LTE-TDD: B38/40/41                                                                                                                                                                                                        |
| Power Adapter            | AC100~240V, 19V/3.78A 71.82W output<br>US Standard<br>Optional: EU Standard                                                                                                                                                                                                                                                                                                               | 5G                      | 5G, optional<br>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<br>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<br>LTE<br>LTE-FDD B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/29/30/32/66/71<br>LTE-TDD B34/38/39/40/ 41/42/43/48 |
| Data Collection          | Fingerprint, built in, used for power-on login<br><br>NFC<br>Optional, USB interface, supports ISO14443A, ISO14443B, IOS15693, ISO18092, Felica<br><br>2D Barcode Scanner<br>Optional, USB interface, Optical Resolution (Scanning Accuracy): ≥3mil                                                                                                                                       | GNSS                    | Supports single GPS or single Glonass, default GPS                                                                                                                                                                                                                                                          |
| Internal Expansion Slots | M.2 2280 PCIE interface *1, optional SSD<br><br>M.2 E-KEY PCIE interface*1, optional Custom module                                                                                                                                                                                                                                                                                        | Reliability             |                                                                                                                                                                                                                                                                                                             |
| Battery                  |                                                                                                                                                                                                                                                                                                                                                                                           | Working Temperature     | -20 °C ~ 60 °C                                                                                                                                                                                                                                                                                              |
| RTC Battery              | 3.0V/220MAH                                                                                                                                                                                                                                                                                                                                                                               | Storage Temperature     | -30 °C ~ 70 °C                                                                                                                                                                                                                                                                                              |
| Small Battery            | Built-in Polymer Lithium-ion Battery, Non-removable<br>1300mah/11.1V (14.4WH)<br>1.5H (Default 50% volume, 200 lumens brightness, playing 1080P HD video)                                                                                                                                                                                                                                 | Humidity                | 95% Non-Condensing                                                                                                                                                                                                                                                                                          |
| Big Battery              | Removable Li-polyment Battery, Hot-swappable<br>4700mah/11.4V (53.58WH)<br>8H (playing 1080P video, conditions: 300 lumens at room temperature, 70dB at 30cm)                                                                                                                                                                                                                             | 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.