

EM-I14M

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



EM-I14M

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 4700mah/11.4V (53.58WH) 8H (playing 1080P video, conditions: 300 lumens at room temperature, 70dB at 30cm)

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	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.