

# EM-X14M

## Rugged AI PC

### Intel Core Ultra Processor

The Intel® Core™ Ultra processor  
With a dedicated AI engine (NPU)  
Delivering efficient AI power

### Intel® Arc™ Graphics

Intel® Arc™ integrated graphics  
With Xe LPG architecture  
Dedicated-level performance

### Windows + AI

Windows 11 OS  
Dual Memory/Dual Storage Slots  
Unleash seamless productivity

### Thunderbolt 4 Interface

High-speed Thunderbolt 4 interface  
HDMI 2.0, USB, RJ45, RS232, etc.  
Seamless integration of multiple devices

### High-Capacity Dual-Battery

56Wh + 14.4Wh dual battery  
Large battery is removable  
Switchable Modes for Versatility

### Durable Body For All-Scenario Use

The 14-inch fully laminated display  
Supports optional 10-point touch and glove touch  
IP65 & MIL-STD-810H Certified



# EM-X14M

## 14-Inch Rugged AI PC

## Intelligence for Tomorrow's World

# TECHNICAL SPECIFICATIONS

Basic parameters	
Dimension	363.2 x 287.4 x 42.1mm
Material	ABS+PC
Device Color	Black
LCD	14 inch 16:9, 1920x1080, 1000 nits
Touch Panel	Optional 10-point capacitive screen, Hardness above 7H, Scratch-resistant, supports glove touch
Camera	Front 5.0MP
I/O	USB3.2 *1, USB3.0 *1, USB2.0 *1 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 3.5mm power interface *1 Anti-theft Lock Slot *1 Right-side Cooling Vent *1 Left-side expansion slot, optional M.2-2280 PCIe interface *1, supports SSD; Optional: M.2 E-KEY interface *1 for custom modules Optional: 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 US Layout Keyboard with Backlight Optional NFC

Battery	
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 7 processor 155H Optional: Intel® Core™ Ultra 5 processor 125H
OS	Windows 11 / 10
Memory	RAM 32GB DDR5(4800MHz), optional 16GB ROM 256GB SSD

Network connections	
WIFI	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax
Bluetooth	BT5.1(BLE) class 1 Transmission distance: 10m
4G	4G Optional M.2 European Standard LTE-FDD: B1/3/5/7/8/20/28 LTE-TDD: B38/40/41
5G	5G Optional M.2 5G NR 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 LAA B46 UMTS WCDMA B1/2/4/5/8/19
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	1.2m drop

