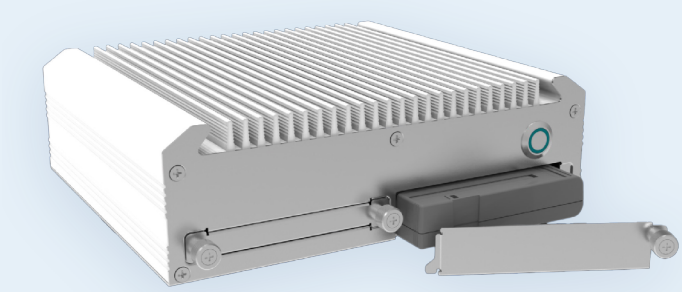
MOXIM TECH

EBOX-601

Medical Box PC

Compact fanless medical Box PC with Intel® 14th Gen Meteor Lake processor, IEC 60601-1 certified, and optional hot-swap battery support. Flexible DC input (12V~35V) offers stable operation across different voltages.



Intel® 14th Gen Meteor Lake	Fanless Passive Cooling	IP65 Chassis	IEC 60601-1 Medical Certified	HDMI Display Output	Hot-Swap Battery (Optional)	OEM / ODM Available

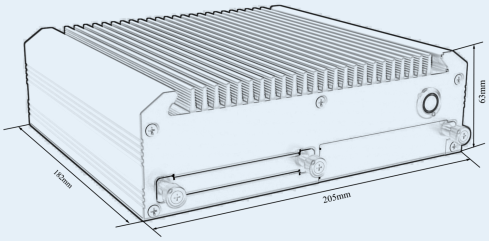
Main Features

- Intel® Core™ Ultra5 125U (14th Gen Meteor Lake) — Intel® Arc™ Graphics
- IEC 60601-1 medical electrical equipment certified
- Fully fanless passive cooling in a compact chassis
- DDR5 5600MT/s, up to 48 GB memory capacity
- 1× M.2 NVMe PCIe Gen4 + 1× 2.5" SATA Gen3 dual storage
- DC Input 12-35V Wide Range
- Optional 10.8V / 9220mAh removable hot-swap battery
- Full OEM / ODM customization available

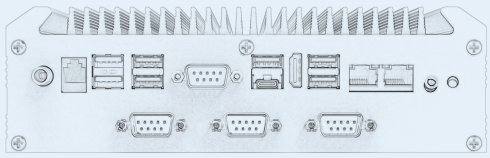


Technical Specifications

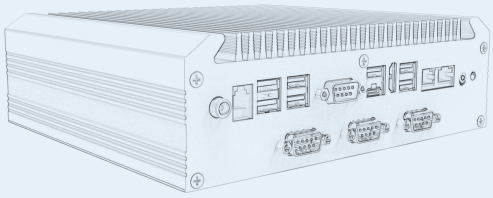
CPU Support	Intel® Core™ Ultra5 125U — 14th Generation Meteor Lake, Intel® Arc™ Graphics
Memory	DDR5 5600MT/s SO-DIMM Dual Channel — 8 GB / 16 GB / 32 GB / 48 GB
Storage	1× M.2 M-Key 2280 NVMe PCIe Gen4 + 1× 2.5" SATA Gen3 Drive Bay (128 GB – 1 TB)
Networking	2× RJ45 Gigabit Ethernet (10/100/1000 Mbps)
Display Output	1× HDMI + 1× USB-C
Wireless	802.11 a/b/g/n/ac + Bluetooth 5.2 (optional)
Power Supply	100–240V AC, 50/60Hz | DC Input: 19V | Backup: 10.8V / 9220mAh (Optional)
Operating System	Windows 11 64-bit
Certifications	IEC 60601-1 | IEC 62368-1 | FCC Class B | fTPM / dTPM



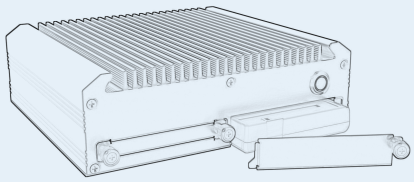
FRONT VIEW



REAR VIEW



SIDE VIEW



BATTERY REMOVAL

Mechanical & Environmental

Cooling	Fanless Passive Cooling
Operating Temp.	0°C – 35°C (32°F – 95°F)
Storage Temp.	-20°C – 60°C (-4°F – 140°F)
Humidity	20% – 80% RH non-condensing
Certifications	IEC 60601-1 | IEC 62368-1 | FCC Class B | CE | RoHS

Input / Output

USB Ports	1× USB-C + 4× USB 3.2 5Gbps Type-A + 3× USB 2.0 Type-A
LAN	2× RJ45 Gigabit Ethernet
Display Output	1× HDMI + 1× USB-C
Serial Port	1× COM (RS-232)
Audio Out	1× 3.5mm Audio Jack (4 Pin)
Power Connector	DC Jack 12–35V Wide Range
Expansion	1× M.2 M-Key 2230 PCIe (Wi-Fi) | 1× Mini PCIe + USB 2.0
Security	fTPM 2.0 (Default) | dTPM (Optional)

Optional Features

- Hot-Swap Battery (10.8V / 9220mAh)
- Wi-Fi 802.11ac + Bluetooth 5.2 Module
- M.2 NVMe SSD (128GB – 1TB)
- 2.5" SATA HDD / SSD

moxim TECH

Find out more at www.moximtech.com
Global Operations: Taiwan | E-mail: service@moximtech.com | Tel: +886-2-7728-8128
7F-6, No. 99, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221416, Taiwan

CERTIFICATIONS

IEC 60601-1 | FCC Class B | CE | RoHS