MOXIM TECH

OmniMPC-242

Medical Panel PC

24" fanless medical panel PC with Intel® 14th Gen Meteor Lake processor, IP65 front panel, IEC 60601-1 certified, and hot-swap battery support.



Intel® 14th Gen Meteor Lake	Fanless Passive Cooling	IP65 Front Panel	IEC 60601-1 Medical Certified	23.8" FHD 10-Point Touch	Hot-Swap Battery	OEM / ODM Available

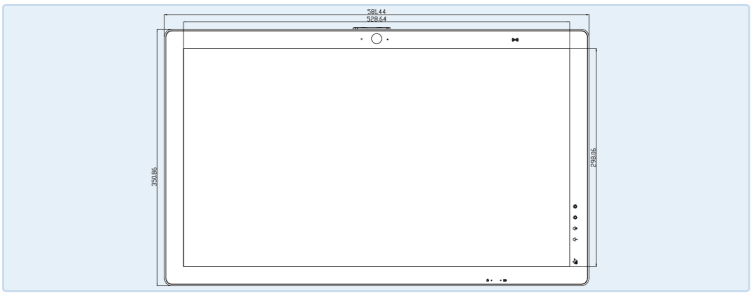
Main Features

- Intel® Core™ Ultra5 125U (14th Gen Meteor Lake) — Intel® Arc™ Graphics
- IEC 60601-1 medical electrical equipment certified
- Fully fanless passive cooling in a slim 43mm chassis
- Front-panel IP65 dust and water resistance
- Projected Capacitive (P-Cap) 10-point touch, medical glove compatible
- 10.8V / 9220mAh removable hot-swap backup battery
- Antimicrobial die-cast aluminum housing (Medical White)
- Optional 5MP front camera with privacy shutter
- Dual built-in microphones + 2× 3W stereo speakers
- Full OEM / ODM customization available

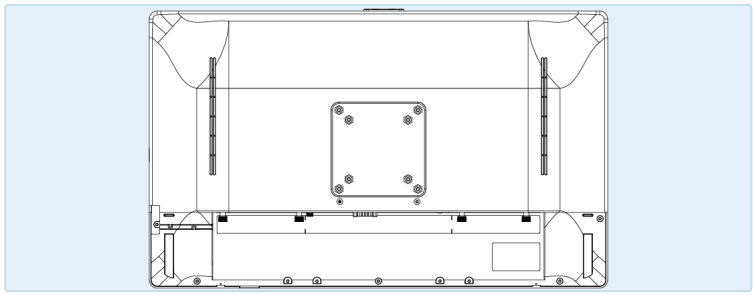


Technical Specifications

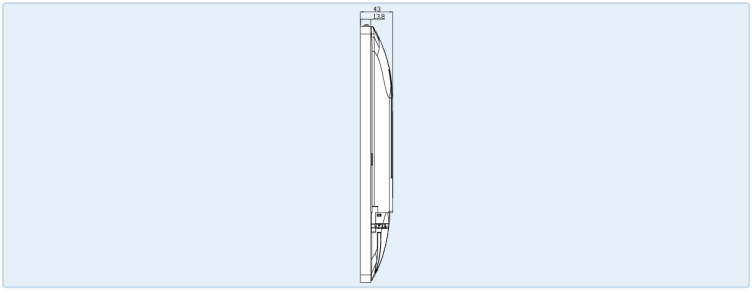
CPU Support	Intel® Core™ Ultra5 125U — 14th Generation Meteor Lake, Intel® Arc™ Graphics
Memory	2× DDR5 5600MT/s SO-DIMM Dual Channel — 8 GB / 16 GB / 32 GB / 48 GB
Storage	1× M.2 M-Key 2280 NVMe PCIe Gen4 + 1× 2.5" SATA Drive Bay (128 GB – 1 TB)
Display	23.8" Full HD 1920×1080 VA — 250 nits, 3000:1, 178°/178° viewing angle, 16.7M colors
Touch Screen	Projected Capacitive (P-Cap) G/G, 10-point, Medical Glove Supported, Touch Lock
Networking	2× RJ45 Gigabit Ethernet (10/100/1000 Mbps)
Wireless	802.11 a/b/g/n/ac + Bluetooth 5.2 (optional)
Power Supply	100–240V AC, 50/60Hz | DC Input: 19V / 4.74A | Backup: 10.8V / 9220mAh Hot-Swap
Operating System	Windows 11 64-bit
Certifications	IEC 60601-1 | IEC 62368-1 | FCC Class B | fTPM / dTPM | Antimicrobial Housing



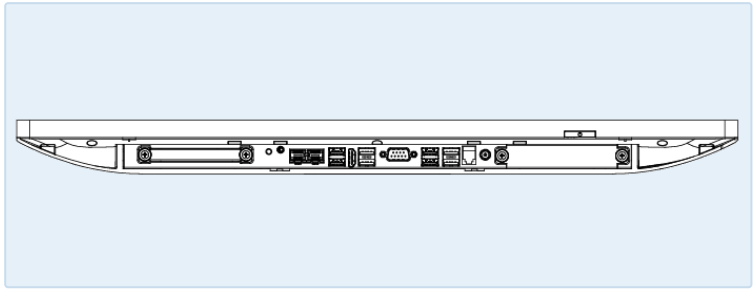
FRONT VIEW



REAR VIEW



RIGHT SIDE



BOTTOM VIEW

Mechanical & Environmental

Dimensions	581 × 351 × 43 mm (W × H × D)
Weight	7.8 KG (without battery)
Chassis	Die-Cast Aluminum — Medical White Antimicrobial Housing
Cooling	Fanless Passive Cooling
IP Rating	IP65 (Front Panel)
Mounting	VESA 75×75 mm / 100×100 mm
Operating Temp.	0°C – 35°C (32°F – 95°F)
Storage Temp.	-20°C – 60°C (-40°F – 104°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
Serial Port	1× COM (RS-232)
Audio Out	1× 3.5mm Audio Jack for Speaker Box (optional)
Power Connector	DC Jack 19V
Control Keys	Volume ▲▼ · Brightness ▲▼ · Touch Lock
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

- 5MP Front Camera + Privacy Shutter
- External Speaker Box (3.5mm Audio Jack)
- RFID HF 13.56MHz or LF 125KHz
- M.2 SSD (64GB – 1TB)
- 2.5" SATA HDD / SSD

