MOXIM TECH

OmniMPC Series

Medical Panel PC

24" fanless medical panel PC series — same chassis, two platforms.
Intel® 11th Gen Tiger Lake (OmniMPC-241) or 14th Gen Meteor Lake (OmniMPC-242).

Same Chassis · Two Platforms · Full OEM / ODM



OmniMPC-241



OmniMPC-242

11th / 14th Gen Intel®	Fanless 43mm Slim	IP65 Front Panel	IEC 60601-1 Medical Certified	23.8" FHD 10-Point Touch	Hot-Swap Battery	OEM / ODM Available

Key Features (Both Models)

- IEC 60601-1 medical electrical equipment certified
- Fully fanless passive cooling — 43mm ultra-slim chassis
- Front-panel IP65 dust and water resistance
- Antimicrobial die-cast aluminum housing (Medical White)
- 23.8" Full HD VA · 3000:1 contrast · 178° viewing angle
- P-Cap 10-point touch, medical glove compatible, touch lock
- 10.8V / 9220mAh removable hot-swap backup battery (optional)
- 2× RJ45 Gigabit Ethernet · 1× HDMI · 1× COM (RS-232)
- VESA 75×75 / 100×100mm mounting

OmniMPC-241

INTEL® 11TH GEN TIGER LAKE

- Intel® Core™ i5-1135G7 · Intel® Iris® Xe Graphics
- DDR4 SO-DIMM · 4 / 8 / 16 / 32 GB
- M.2 M-Key 2280 SATA · 64 GB – 1 TB
- USB 3.0 ×4 · USB 2.0 ×4

OmniMPC-242

INTEL® 14TH GEN METEOR LAKE

- Intel® Core™ Ultra5 125U · Intel® Arc™ Graphics
- DDR5 5600 MT/s SO-DIMM · 8 / 16 / 32 / 48 GB
- M.2 M-Key 2280 NVMe PCIe Gen4
- USB-C ×1 · USB 3.2 5Gbps ×4 · USB 2.0 ×3

Shared Specifications

Display	23.8" Full HD 1920×1080 VA — 250 nits, 3000:1, 178°/178° viewing angle, 16.7M colors
Touch Screen	P-Cap G/G · 10-Point Multi-Touch · Medical Glove Supported · Touch Lock
Power Supply	AC 100–240V, 50/60Hz | DC Input: 19V / 4.74A | Backup: 10.8V / 9220mAh Hot-Swap (optional)
Dimensions	581 × 351 × 43 mm (W × H × D) | Weight: 7.8 KG (without battery)
Certifications	IEC 60601-1 | IEC 62368-1 | FCC Class B | CE | RoHS

Model Comparison

		OmniMPC-241	OmniMPC-242
Platform	Processor	Intel® Core™ i5-1135G7 (11th Gen Tiger Lake)	Intel® Core™ Ultra5 125U (14th Gen Meteor Lake)
	Graphics	Intel® Iris® Xe Graphics	Intel® Arc™ Graphics
	Memory	DDR4 SO-DIMM · 4 / 8 / 16 / 32 GB	DDR5 5600 MT/s SO-DIMM · 8 / 16 / 32 / 48 GB
	Primary Storage	M.2 M-Key 2280 · SATA · 64 GB – 1 TB	M.2 M-Key 2280 · NVMe PCIe Gen4
I/O	USB	USB 3.0 ×4 · USB 2.0 ×4	USB-C ×1 · USB 3.2 5Gbps ×4 · USB 2.0 ×3
	LAN / Video / Serial	2× RJ45 Gigabit Ethernet · 1× HDMI · 1× COM (RS-232)	
Environment	Operating Temp.	0°C – 35°C (32°F – 95°F)	
	OS / Humidity	Windows 11 64-bit · 20% – 80% RH non-condensing	
Certificate	EMC & Safety	FCC Class B · CE · RoHS · IP65 (Front Panel)	
	Medical Grade	IEC 60601-1 · IEC 62368-1 · fTPM 2.0 (Default) / dTPM (Optional)	

Optional Features (Both Models)

- 5MP Front Camera + Privacy Shutter
- 2× Built-in Microphones · 2× 3W Built-in Speakers
- Wi-Fi 802.11 a/b/g/n/ac + Bluetooth 5.2
- RFID HF 13.56MHz or LF 125KHz
- 10.8V / 9220mAh Hot-Swap Backup Battery
- dTPM Security Module
- 2.5" SATA HDD / SSD (Secondary Bay)
- External Speaker Box (3.5mm Audio Jack)
- OEM / ODM Customization

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