TEGUAR

TM-7110-24

24" Fanless Medical PC



Key Highlights

- 24" Touchscreen Size
- Intel 12th Generation CPU, Passmark 24599
- Built-in Power Supply
- Windows 11 Compatible
- Die Cast Housing with an IP65 Waterproof Rating
- 1 x PCI-E x8 expansion slot (PCIe x 4 signal)

VIEW ONLINE

The 24" Fanless Medical PC is an exceptional healthcare technology solution designed for the most critical medical applications. With medical certification, it upholds stringent reliability and security standards. User-friendly function keys enhance usability, granting quick access to essential functions. The built-in PSU streamlines installation and maintenance, minimizing clutter. Its robust die-cast housing ensures durability, while the IP65 waterproof rating protects against moisture and contaminants. Powered by an Intel 13th Generation CPU and running Windows 11, it offers powerful, dependable performance. This PC is tailored to meet the rigorous demands of healthcare, combining cutting-edge technology with a rugged design for efficient use in clinical environments. And a PCIe expansion slot further adds to customization for more IO OR Video Capture possibilities.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 12th Generation Alder Lake
Processor Model	Core i5 12600HE
Memory Type	2x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32GB, 64GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (Internal, not with removable drive in use), 1x M.2 2280 NVME SSD slot
Storage Support	M.2 and 2.5": 128GB - 1TB

External I/O Ports

USB	4x USB 3.2
Serial / Com	2x COM
Serial Protocol Detail	1x RS-232, 1x RS-232/422/485
Ethernet / LAN	1x RJ45 2.5 GbE LAN, 1x RJ45 GbE LAN
Video Outputs	1x DisplayPort, supports DP++, 1x HDMI 2.0b
Audio Ports	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	C13, 3-Prong AC Plug

Thermal & Environmental

Operating Temperature	0°C - 35°C (32°F – 95°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	802.11 a/b/g/n/ac/ax
Bluetooth	Bluetooth 5.0
RFID	Optional
Peripheral Other	POAG-Grounding Pin built-in

Certification

Certifications	60601-1 3.2 Edition, CE, FCC

Display

Screen Size	23.8"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	400 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
Hardness	6H

Power

Standard Power Adapter	Built-In AC 100-240V/47-60Hz to DC 24V, 250W

Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro

Compatibility

Security Hardware	TPM 2.0, Intel vPro

Multimedia

Camera	Optional 5MP Webcam

Enclosure

Material	Aluminum, Anti-Microbial
IP Rating	IP65 Front Bezel, IP54 with cable cover
Color	White
Control Buttons	Brightness Down, Brightness Up, Clean me, Display on/off, Enter, Exit, Menu, Power Button, Video Input Selection
Programmable Function Buttons	1x Programmable Function Key
Mounting Options	VESA 100 Mount

Weight / Dimensions

Weight	11.2 kg (24.7 lbs)
Dimensions	580 x 59 x 350 mm (22.8 x 2.3 x 13.8 in)

Warranty

Warranty	Up to 5 Years

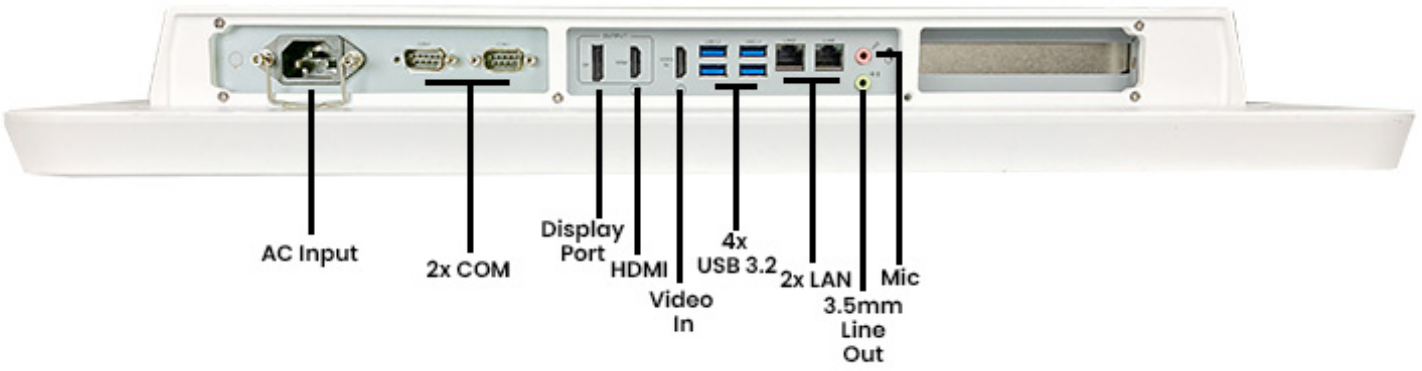
Specifications subject to change.

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I/O Diagram Images



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Tech Diagram Images 0

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