TEGUAR

TM-7110-22

22" Fanless Medical PC



Key Highlights

- 22" 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 22" Fanless Medical PC offers a state-of-the-art healthcare technology solution, equipped with a robust Intel 13th Generation CPU and the user-friendly Windows 11 operating system. Its medical certification guarantees utmost reliability, making it an ideal choice for critical medical applications. User-friendly function keys streamline access to essential functions. With a built-in PSU, it offers convenience and a clutter-free setup. The die-cast housing provides exceptional durability, and its IP65 waterproof rating ensures protection against moisture and contaminants. This PC is tailored for the demands of healthcare, combining robust performance with rugged design, making it a vital tool 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	21.5"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 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, Exit, Menu, Power Button, Video Input Selection
Programmable Function Buttons	1x Programmable Function Key
Mounting Options	VESA 100 Mount

Weight / Dimensions

Weight	10 kg (22.0 lbs)
Dimensions	541.9 x 59 x 347.1 mm (21.3 x 2.3 x 13.7 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

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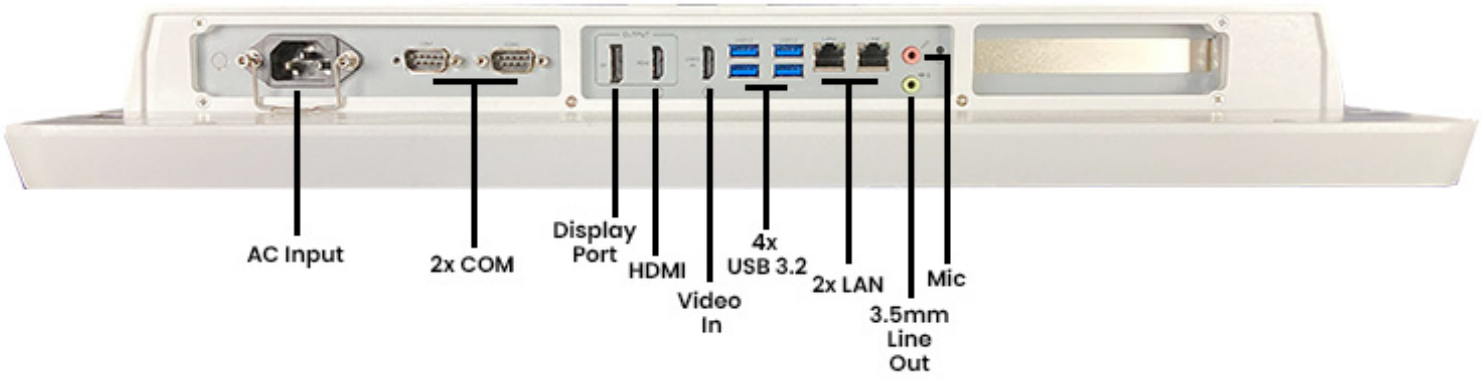
I/O Diagram Images



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Tech Diagram Images 0

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