TEGUAR

TM-7110-15

15.6" Fanless Medical PC



Key Highlights

- Intel 12th Gen Core i™ CPU
- 15.6" Full HD PCAP Touch Screen
- 1 x PCI-E x8 Expansion Slot (PCIe x 4 signal) for Video Capture Card or I/O Expansion
- Clean White Antibacterial Surface
- IP65 Waterproof Rated Front Bezel
- Dual Storage with M.2 and 2.5" SSD

VIEW ONLINE

The 15.6" Fanless Medical PC is an exceptional healthcare technology solution designed for the most critical medical applications. With full medical compliance, it holds up to stringent security standards. User-friendly function keys enhance usability, granting quick access to essential functions. A PCIe expansion slot further adds to customization for more I/O OR Video Capture possibilities. Its robust antimicrobial housing ensures durability, while the IP65 waterproof bezel protects against moisture and contaminants. Powered by an Intel® 12th Generation CPU, 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.

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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, 96GB
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	2x 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 - 40°C (32°F – 104°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	Optional 802.11 a/b/g/n/ac/ax Wi-Fi 6
Bluetooth	Optional Bluetooth 5.1
RFID	Optional
Peripheral Other	POAG-Grounding Pin built-in

Warranty

Warranty	Up to 5 Years

Display

Screen Size	15.6"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	500 nits

Touch Screen

Touch Screen	Projected Capacitive (Multi-touch)
Hardness	7H

Power

Standard Power Adapter	Built-In AC 100-240V/47-60Hz to DC 12V, 100W

Operating Systems

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

Compatibility

Security Hardware	TPM 2.0, Intel vPro

Multimedia

Speakers	2x 2W Speakers
Camera	Optional 5MP Webcam

Enclosure

Material	Aluminum, Anti-Microbial
IP Rating	IP65 Front Bezel, IPX1 enclosure
Color	White
Control Buttons	Backlight on/off, Brightness Down, Brightness Up, Clean me, Mute, Power Button, Volume UP+/ Volume Down -, Webcam (disable)
Programmable Function Buttons	1x Programmable Function Key
Mounting Options	VESA 100 Mount, VESA 75 Mount

Weight / Dimensions

Weight	10 kg (22.0 lbs)
Dimensions	430 x 88.4 x 300 mm (16.9 x 3.5 x 11.8 in)

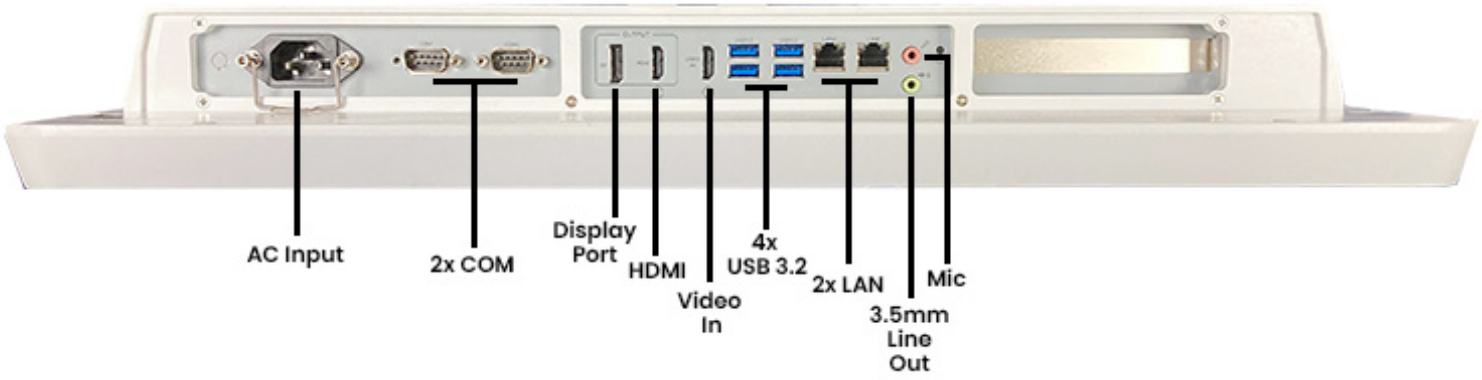
Specifications subject to change.

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I/O Diagram Images



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Tech Diagram Images 0

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