TEGUAR

TM-7110-22F

22" Medical PC



Key Highlights

- 21.5" Touch Screen
- Intel 13th Generation Core i5 CPU
- Medically Compliant with 60601-1-2 ED4.1
- Optional Isolated I/O Ports
- Windows 11 Ready

VIEW ONLINE

The 22" Medical PC offers the most advanced features tailored to meet the rigorous demands of medical professionals. Equipped with an Intel 13th Generation Core i5 CPU, it delivers exceptional performance for complex medical applications. The MXM module enhances AI processing, backed by DDR5-based acceleration. This ensures efficient use of AI applications essential in modern medical settings, improving diagnosis and treatment effectiveness for better patient outcomes. Medically compliant for reliability and safety, it features isolated IO ports to safeguard patients and clinical personnel. With this comprehensive feature set, the 22" Medical PC offers unparalleled efficiency in modern medical environments.

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Technical Specifications

Primary Components

Processor Family	Intel Core I series 13th Generation Raptor Lake
Processor Model	Core i5-13500TE
Processor Speed	6x Performance Cores @ 1.3 GHz, up to 4.5 GHz, 8x Efficient Cores @1.1 GHz, up to 3.1GHz
Memory Type	2x DDR5 SO-DIMM
Memory Support	8GB, 16GB, 32GB, 64GB, 96GB
Storage Type	1x M.2 2280 NVME SSD slot, 1x M.2 SATA3 2280 Slot
Storage Support	M.2: 256GB-1TB

External I/O Ports

USB	1x USB 3.2 Type-C (DP 1.4A), 4x USB 3.2
Serial / Com	2x COM
Serial Protocol Detail	1x RS232/RS422/RS485, 1x RS232
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	DC-in via adapter cable

Expansion Slots

Video Card Support	MXM, laptop graphics card NVidia A1000, A2000, A4500

Thermal & Environmental

Operating Temperature	0°C - 40°C (32°F – 104°F)
Storage Temperature	-20°C - 60°C (-4°F – 140°F)
Cooling Solution	Active – with Fan
Humidity Range	10% – 90% Non-condensing
Storage Humidity	10% – 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	WiFi 6 / 802.11 a/b/g/n/ac/ax
Bluetooth	Bluetooth 5.0
RFID	Optional 13.56 Mhz

Display

Screen Size	21.5"
Screen Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	250 nits

Touch Screen

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

Power

Standard Power Adapter	Input 100/240 AC, Output 19VDC, 250W

Battery

Battery Type	Optional 10.8V/10350mAh Battery

Operating Systems

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

Compatibility

Security Hardware	fTPM 2.0, Intel vPro Technology: Intel AMT Supported

Multimedia

Camera	Optional 5MP Webcam

Enclosure

Material	Anti-Microbial
IP Rating	IP65 Front Bezel, IPX1 enclosure
Color	White
Control Buttons	Audio Down, Audio Up, Brightness Down, Brightness Up, Clean me, Display on/off, Power Button, Programming Function Key, Reading Light
Mounting Options	VESA 100 Mount

Weight / Dimensions

Weight	8 kg (17.6 lbs)
Dimensions	541 x 74.7 x 352.9 mm (21.3 x 2.9 x 13.9 in)

Warranty

Warranty	Up to 5 Years

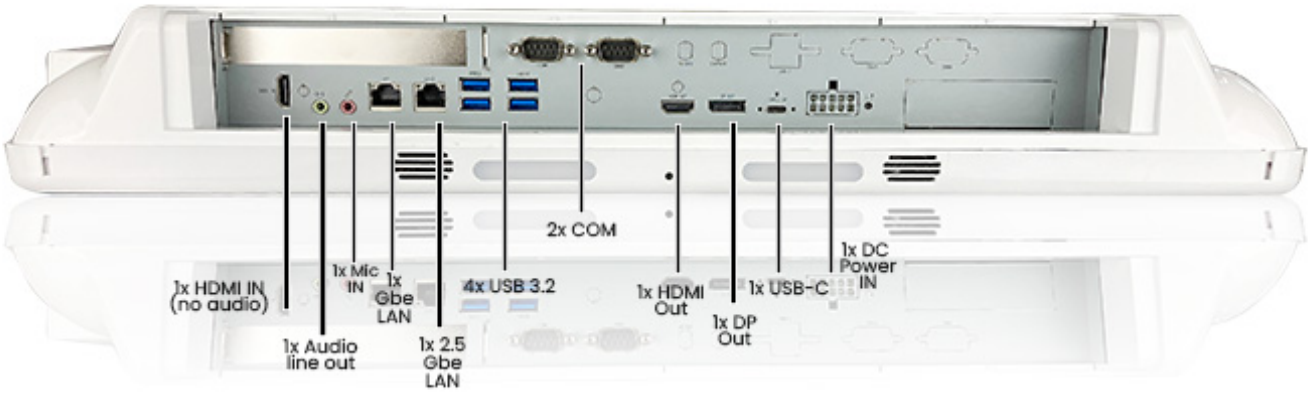
Specifications subject to change.

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I/O Diagram Images

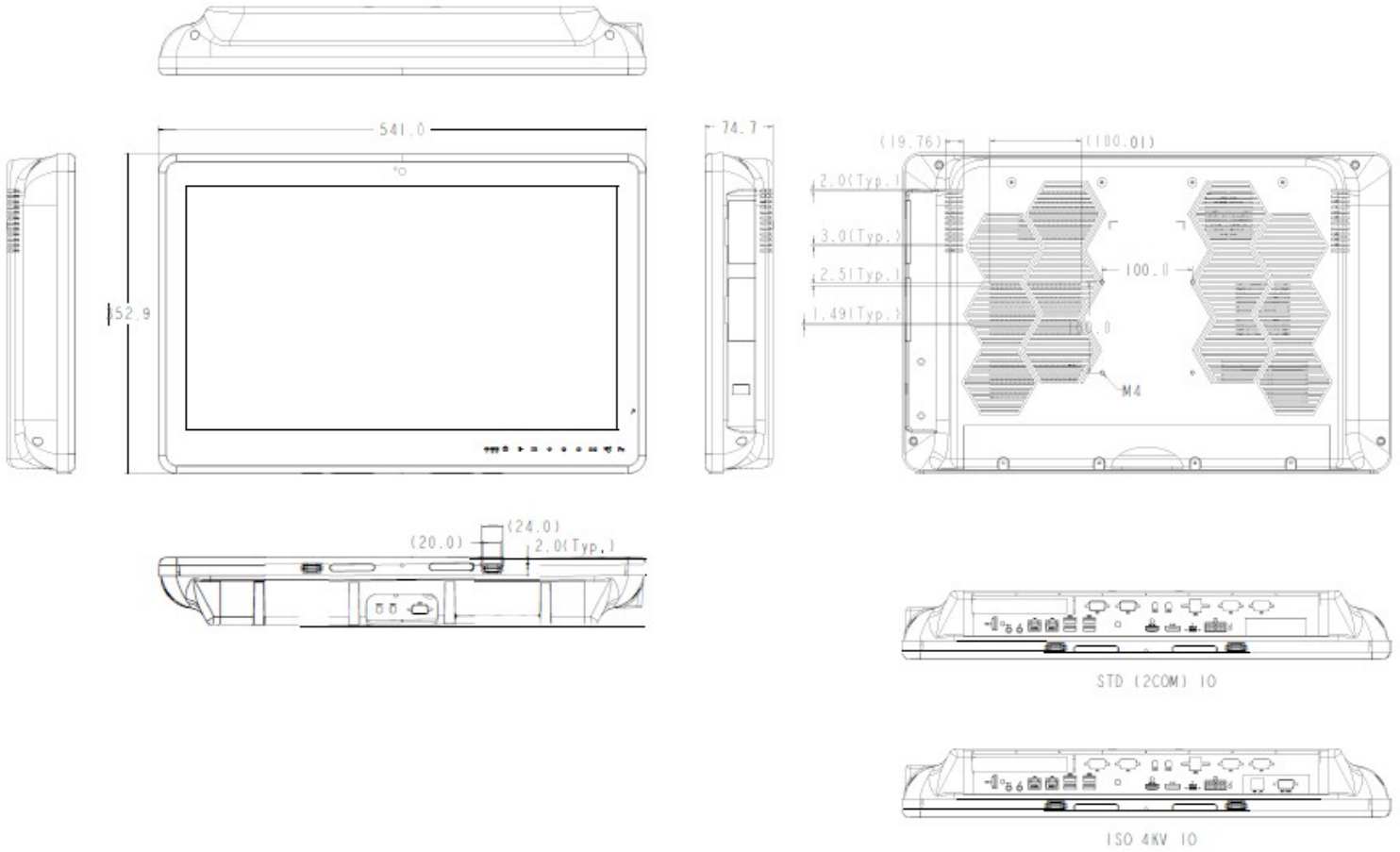


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Tech Diagram Images



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