

TM-7110-24F

24" Medical PC



Key Highlights

- 23.8" 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 24" Medical PC presents a spacious interface, ideal for critical visual tasks such as medical imaging, surgery room computing, and radiograph room operations. The all-in-one is medically compliant and fortified with isolated IO ports to safeguard patients and clinical personnel. With an Intel 13th Generation Core i5 CPU, it delivers robust performance. AI is becoming essential in medical applications, and the TM-7110-24F offers AI acceleration support via DDR5. Windows 11 compatibility enhances user experience and software compatibility. With these features, the 24" Medical PC offers a comprehensive solution for modern medical environments, prioritizing efficiency, reliability, and patient care.

USA

Teguar
2920 Whitehall Park Drive
Charlotte, NC 28273
+1 866-693-3105
sales@teguar.com

EUROPE

Teguar Europe AG
Churerstrasse 54, CH-8808
Pfäffikon, Switzerland
+41 41 561 53 11
sales.EU@teguar.com

ASIA

Teguar Taiwan Ltd.
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)
+886 2 7751 5319
sales@teguar.com.tw

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	4GB, 8GB, 16GB, 32GB, 64GB, 96GB

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
Audio Ports	1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	DC-in via adapter cable

Compatibility

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

Camera	Optional 5MP Webcam
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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	9 kg (19.8 lbs)
Dimensions	594 x 74.7 x 397 mm (23.4 x 2.9 x 15.6 in)

Display

Screen Size	23.8"
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
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Battery

Battery Type	Optional 10.8V/10350mAh Battery
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Operating Systems

Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro
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Expansion Slots

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

Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

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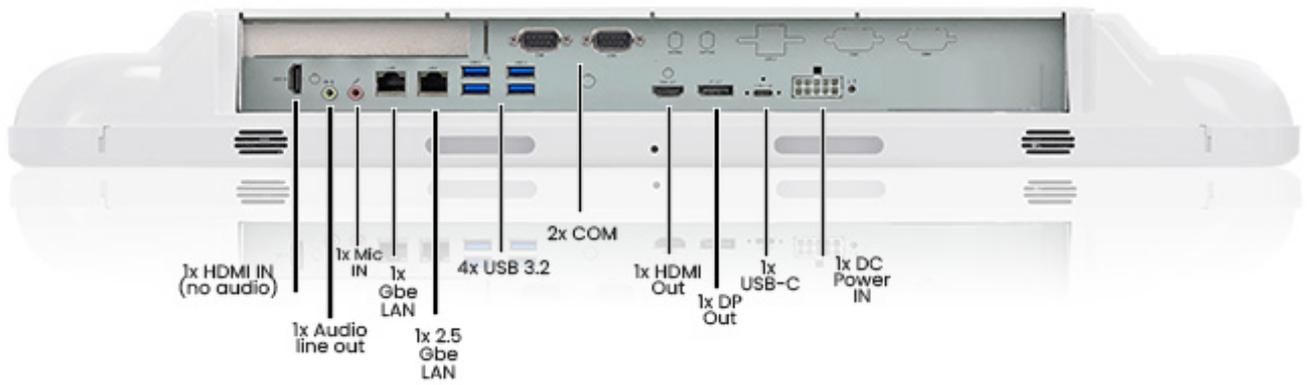
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I/O Diagram Images



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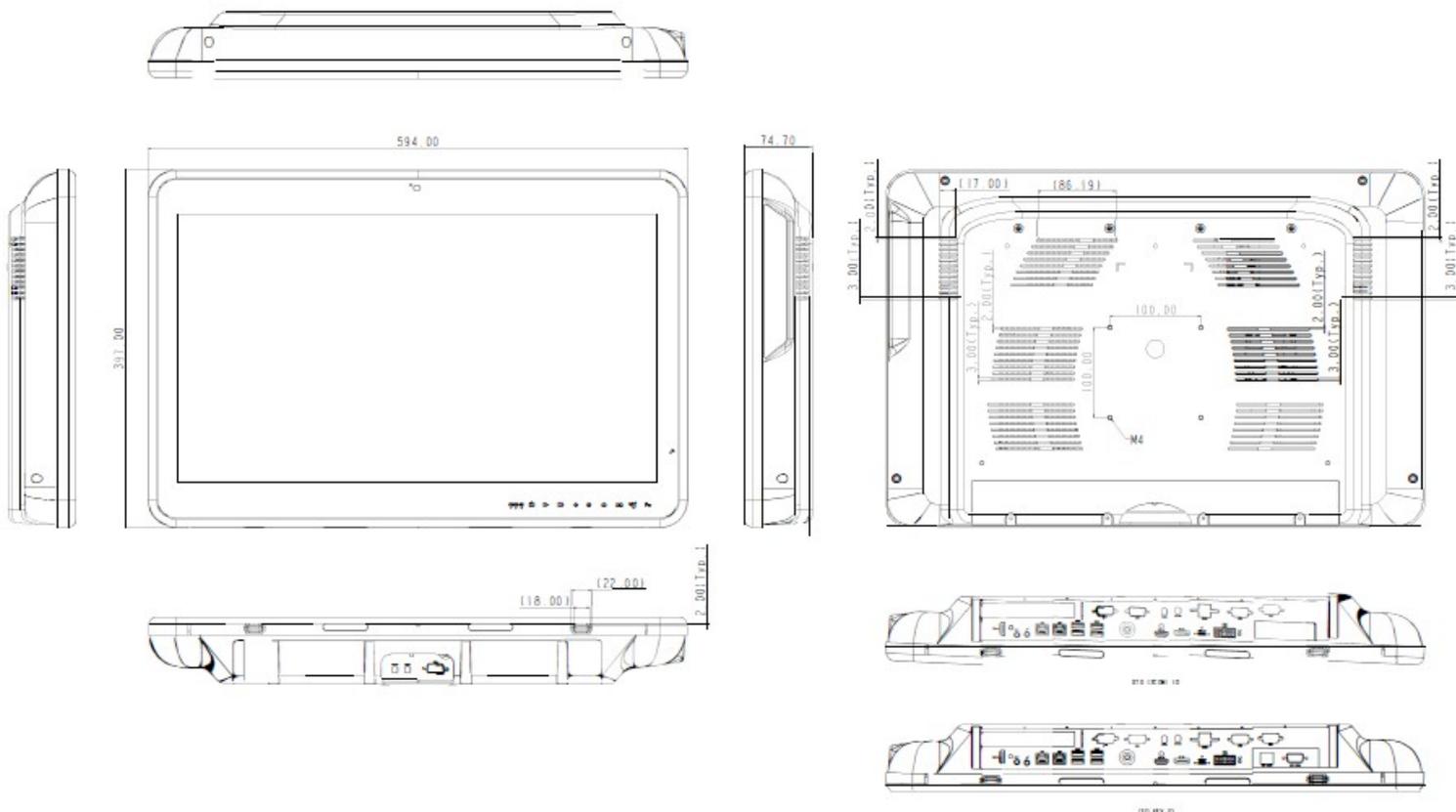
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Tech Diagram Images



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