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" |
| **Screen 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 |

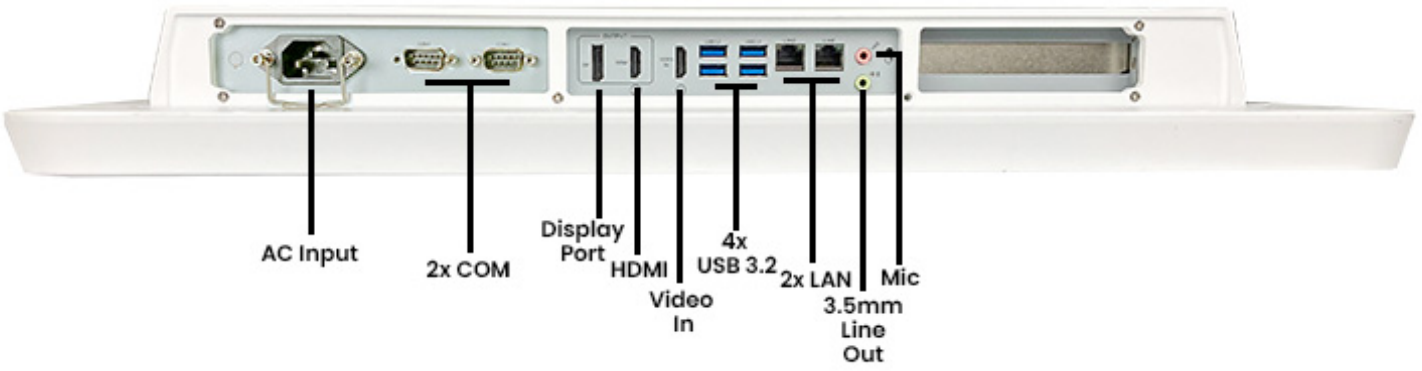
***Specifications subject to change.***


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## I/O Diagram Images




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