

TMB-7115

Medical AI Computer



Key Highlights

- 10.1" Integrated Display
- 13th Generation Intel Core i CPU
- Windows 11
- Supports Nvidia GPUs
- Room for Multiple Expansion Cards

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The Medical AI Computer is a sleek [embedded medical PC](#) designed for advanced healthcare environments. It includes an integrated 10.1" screen, offering direct interaction and real-time monitoring. This unit is powered by a high-performance 13th generation Intel Core i CPU for swift data processing and reliable operation. The system supports Nvidia GPUs and other AI accelerators, providing robust capabilities for AI-driven medical applications. With room for multiple expansion cards, it allows for customization and scalability to meet evolving technological needs. Additionally, it is 60601-1 medically compliant, ensuring safety and reliability in critical medical settings.

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Technical Specifications

Primary Components	
Processor Family	Intel Core I series 13th Generation Raptor Lake
Processor Model	Core i9-13900
Processor Speed	8x Performance Cores @ 2.0 GHz, up to 5.2 GHz Turbo, 16x Efficient Cores @1.5 GHz, up to 4.2 GHz
Memory Type	4x DDR5 U-DIMM
Memory Support	16GB, 32GB, 64GB, 128GB
Storage Type	1x M.2 2280 SSD slot, SATA3 or NVME
Storage Support	M.2: 128GB-1TB

External I/O Ports	
USB	2x USB 3.2 – Front, 4x USB 3.2
Ethernet / LAN	2x RJ45 2.5 GbE LAN
Video Outputs	1x HDMI
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 – 65°C (–4°F – 149°F)
Cooling Solution	Active – with Fan
Humidity Range	10% – 95% Non-condensing

Weight / Dimensions	
Weight	8 kg (17.6 lbs)
Dimensions	390 x 208 x 310 mm (15.4 x 8.2 x 12.2 in)

Specifications subject to change.

Display	
Screen Size	10.1"
Resolution	1920 x 1080 (Full HD)
Screen Ratio	16:9
Brightness	600 nits

Touch Screen	
Touch Screen	Projected Capacitive (Multi-touch)
Hardness	6H

Power	
Standard Power Adapter	C13 AC Power cord, 700W Internal Power Supply

Operating Systems	
Windows	Windows 10 IoT, Windows 10 Pro, Windows 11 Pro

Multimedia	
Speakers	2x 3W Speakers

Enclosure	
Material	Composite and SECC Steel Chassis
IP Rating	IP65 Front Bezel
Color	White
Led Indicator Light	Power
Control Buttons	Power Button

Warranty	
Warranty	Up to 5 Years

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I/O Diagram Images



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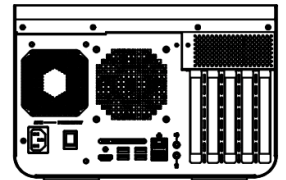
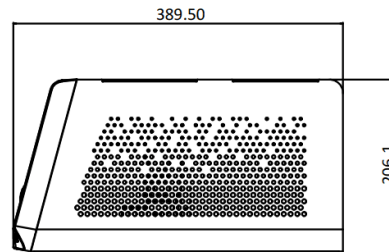
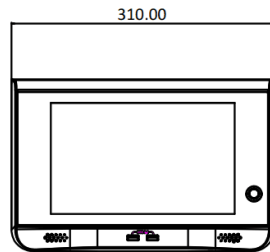
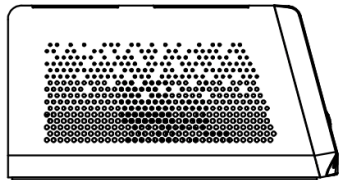
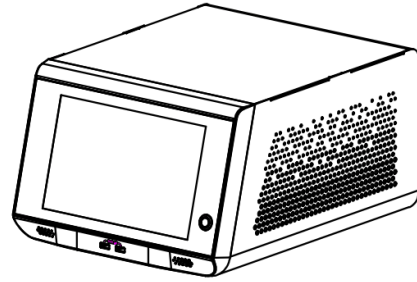
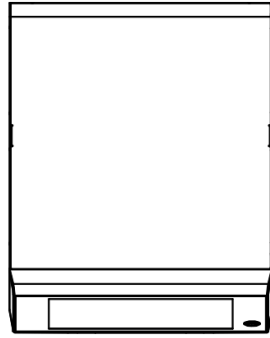
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Tech Diagram Images



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