

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"
Screen 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
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Operating Systems

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

Speakers	2x 3W Speakers
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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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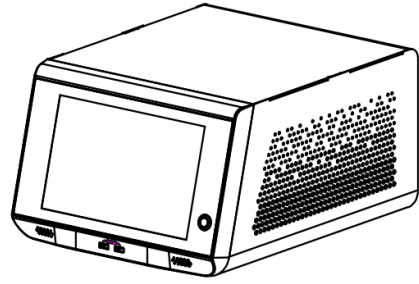
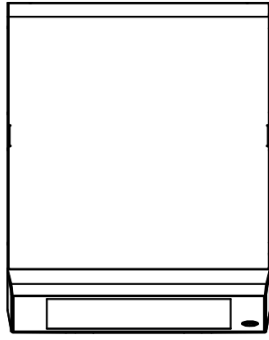
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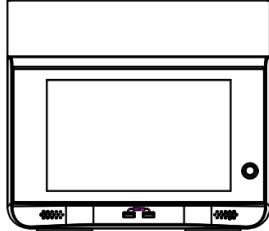
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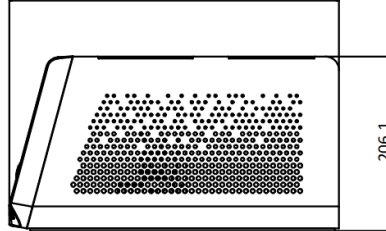
Tech Diagram Images



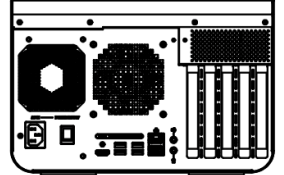
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