

TMB-5710

Medical Edge AI Box PC



Key Highlights

- Ready for AI / Medical edge computing
- Intel 9th Gen. Coffee Lake-S CPU
- PCIe 16x extension includes extra LAN and COM ports
- Easily removable HDD
- Medically certified anti-microbial surface
- Flat surfaces make sanitation easy

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The TMB-5710 Medical Edge AI Box PC is medically certified hardware designed for AI, edge computing, or other processor-intensive tasks. This medical box pc features two expansion slots for things like AI Cores or graphic cards, as well as a customized PCIe x16 expansion module featuring additional COM and LAN inputs. The Medical Edge AI Box PC has an Intel 9th Gen. Coffee Lake-S CPU and an easily removable HDD to assist with HIPAA patient data storage protocols.

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Technical Specifications

Primary Components

Processor Family	Intel Core-I Series 9th Generation Coffee Lake
Processor Model	Core i5-9500TE, Core i7-9700TE
Processor Speed	1.8 GHz, 2.2 GHz
Memory Type	2x DDR4 SO-DIMM
Memory Support	32GB
Storage Type	1x 2.5" SATA Drive Bay for SSD/HDD (easily accessible), 1x M.2 SATA3 2280 Slot

Power

Input Voltage Range	12-24V DC
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Compatibility

Security Hardware	Optional TPM 2.0
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Thermal & Environmental

Operating Temperature	0°C - 35°C (32°F - 95°F)
Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Humidity Range	10% - 90% Non-condensing
Storage Humidity	10% - 90% Non-condensing

Peripherals & Wireless Connectivity

WiFi	802.11 ac/a/b/g/n WLAN + BT module
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Warranty

Warranty	Up to 5 Years
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Specifications subject to change.

External I/O Ports

USB	2x USB 2.0, 4x USB 3.0
Serial / Com	2x COM
Serial Protocol Detail	2 x RS232/RS422/RS485 (Ri/5V/12V)
Ethernet / LAN	2x RJ45 GbE LAN
Video Outputs	1x DisplayPort 1.2, 1x DVI-D, 1x VGA
Audio Ports	1x 3.5mm Audio Line-In, 1x 3.5mm Audio Line-Out, 1x 3.5mm Microphone Jack
Power Input Port	4-Pin DC-In Jack

Operating Systems

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

Internal M.2	1x M.2 for NVME SSD Support (Not at same time with Removable 2.5" HDD)
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Enclosure

Material	Aluminum
Color	White
Led Indicator Light	HDD Access, Power
Control Buttons	Power Switch

Weight / Dimensions

Dimensions	301 x 295.2 x 130 mm (11.9 x 11.6 x 5.1 in)
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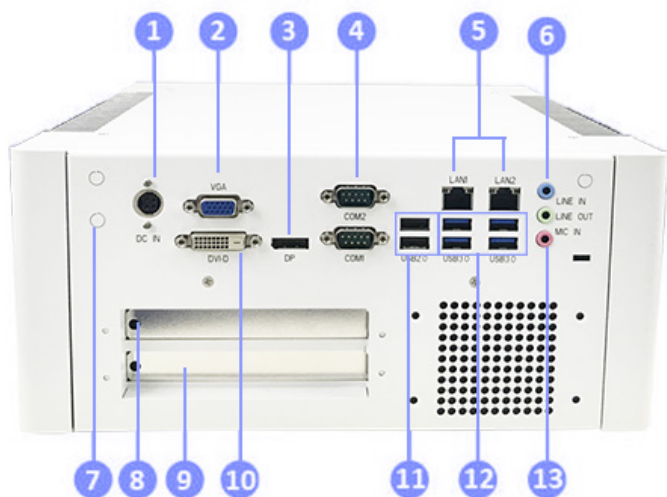
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I/O Diagram Images



- 1 DC-in
- 2 VGA
- 3 1 x DP
- 4 2 x RS232/RS422/RS485
- 5 2 x RJ-45
- 6 Line-in/out
- 7 Equipotential terminal pin
- 8 PCIe x 16
- 9 PCIe x 1
- 10 DVI-D
- 11 2 x USB 2.0
- 12 4 x USB 3.0
- 13 Mic-in

USA

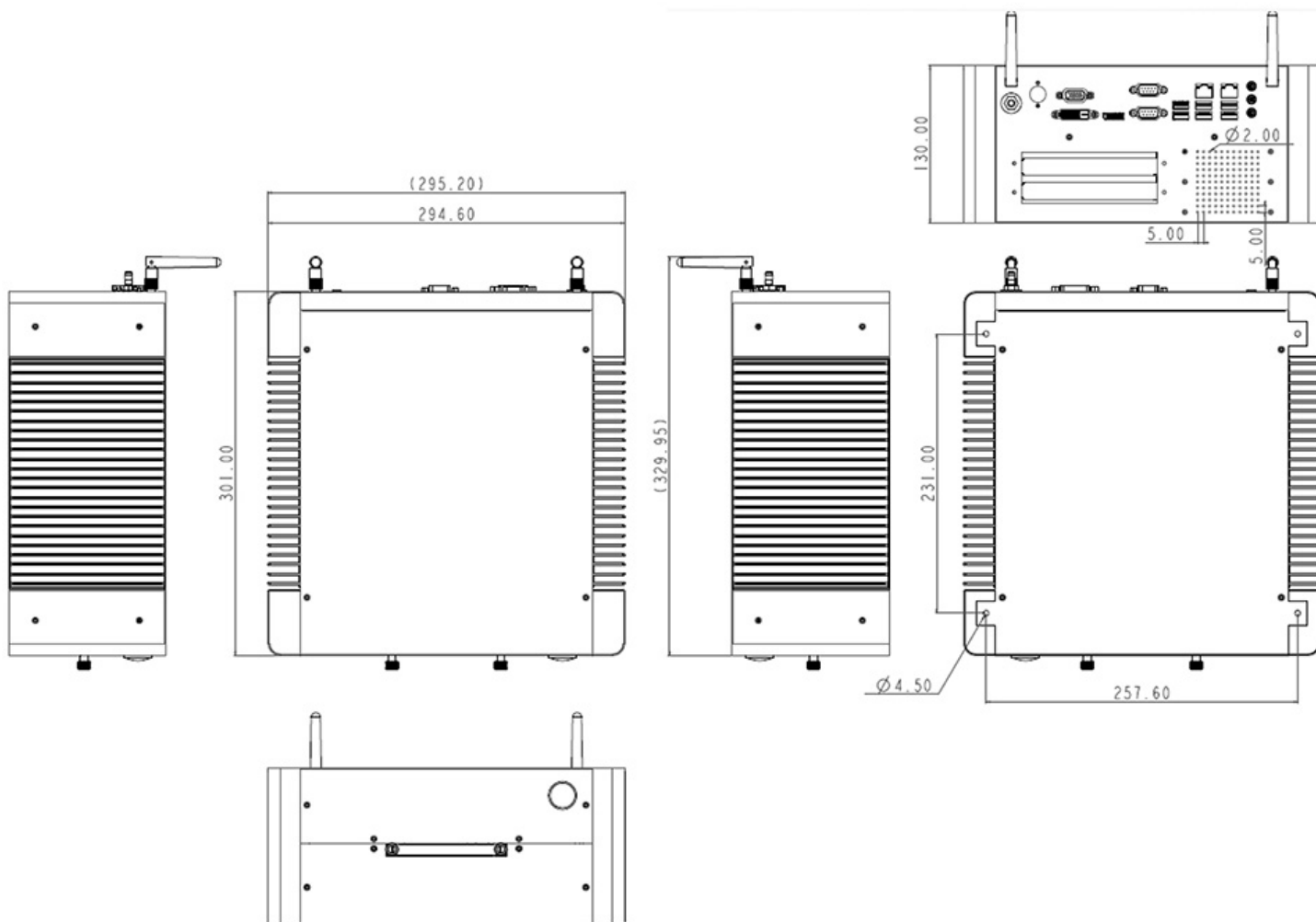
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