

# 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

[VIEW ONLINE](#)

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.

#### 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

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

## Power

<b>Input Voltage Range</b>	12-24V DC
----------------------------	-----------

## Compatibility

<b>Security Hardware</b>	Optional TPM 2.0
--------------------------	------------------

## Thermal & Environmental

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

## Peripherals & Wireless Connectivity

<b>WiFi</b>	802.11 ac/a/b/g/n WLAN + BT module
-------------	------------------------------------

## Warranty

<b>Warranty</b>	Up to 5 Years
-----------------	---------------

*Specifications subject to change.*

## External I/O Ports

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

## Operating Systems

<b>Windows</b>	Windows 10 IoT, Windows 10 Pro, Windows 11 IoT, Windows 11 Pro
----------------	--

## Expansion Slots

<b>Internal M.2</b>	1x M.2 for NVME SSD Support (Not at same time with Removable 2.5" HDD)
---------------------	--

## Enclosure

<b>Material</b>	Aluminum
<b>Color</b>	White
<b>Led Indicator Light</b>	HDD Access, Power
<b>Control Buttons</b>	Power Switch

## Weight / Dimensions

<b>Dimensions</b>	301 x 295.2 x 130 mm (11.9 x 11.6 x 5.1 in)
-------------------	---

### USA

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

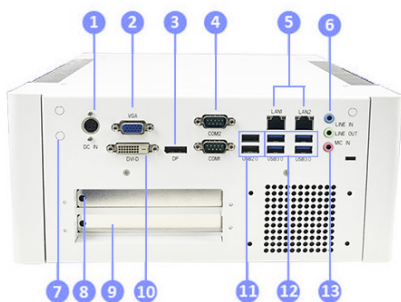
### EUROPE

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

### ASIA

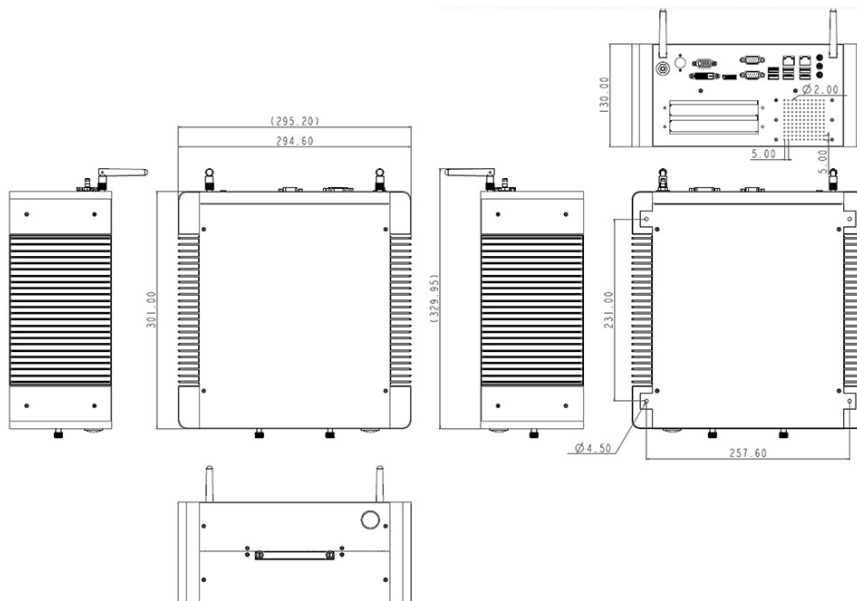
Teguar Taiwan Ltd.  
Rm. A, 28F-12., No.99, Sec. 1, Xintai 5th Rd.,  
Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)  
+886 2 7751 5319  
sales@teguar.com.tw

## I/O Diagram Images



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

## Tech Diagram Images



### 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