

# MAB-T600



## Product Features

- 12/13th Generation Intel® Core™ i3/i5/i7 Processors
- 2-Memory Socket, Max. Up to 64GB DDR5 4800MHz
- 4-USB 3.2 Gen 2 & 2-USB 2.0 at Rear, 2-USB at Front
- 1-Gen 5 PCIe x16, 3-Gen 3 PCIe x1
- Intel® H610E Chipset
- 1-HDMI, 2-DP++, 2-2.5 Gigabit Ethernet
- 2-Storage, 2-2.5" Drive Bay, Optional 2-3.5" Drive Bay

## Specification

### System Information

<b>Processor</b>	LGA 1700 Socket supports 12th Gen Alder Lake/ 13th Gen Raptor Lake/ 14th Gen Raptor Lake Refresh Intel® Core™ i 9/7/5/3, Pentium, Celeron Processor up to 16 Cores 24 Threads Hybrid
<b>Platform Controller Hub</b>	Intel® H610E PCH
<b>System Memory</b>	2 x DIMM slots support Dual Channel DDR5 memory speed up to 4800/5600MHz (CPU dependent) with UDIMM, up to 64GB
<b>BIOS</b>	Socket type 256Mb SPI BIOS
<b>Watchdog Timer</b>	H/W reset, 5~255 seconds/5~255 minutes
<b>H/W Status Monitor</b>	CPU temperature monitoring, voltages monitoring, CPU fan speed control
<b>TPM</b>	Support onboard TPM 2.0
<b>SBC</b>	RX610H

### Expansion

<b>M.2</b>	1 x M.2 M-Key 2242/2280/22110 NVMe (PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi support (PCIe x 1 share with slot4 + USB 2.0)
<b>PCIe</b>	1 x Gen 5 PCIe x16 (x16 physical black) (slot 1) 1 x Gen 3 PCIe x1 (x4 physical open ended) (slot 2) 2 x Gen 3 PCIe x1 (x16 physical yellow) (slot 3 & 4)

Storage

**Storage** 2 x 2.5" SATAIII HDD/SSD drive  
(2 x 3.5" SATAIII HDD/SSD drive as option)

Display

**Graphic Chipset** Intel® Integrated UHD Graphic with Xe Architecture (CPU dependent)

**Spec. & Resolution** DP 1.4a (Max. Resolution: 3840X2160@60Hz)  
HDMI 2.0b (Max. Resolution: 3840X2160@60Hz)

**Multiple Display** Supports 3 independent display

Audio

**Audio Codec** Realtek HD audio

**Audio Amplifier** 6W Per Channel Amplifier

Power Requirement

**Power Supply Unit** 500W medical 1U ATX power supply

**Power Mode** AT/ATX mode (default: ATX mode)

Ethernet

**LAN Chipset** LAN1: Intel® I219-V ethernet controller  
LAN2: Intel® I225-LM ethernet controller

Software Support

**OS** Win 10, Win 11, Linux

Certification

**Certification Information** ANSI AAMI ES60601-1:2005/A2: 2021 3.2.  
CAN/CSA-C22.2 NO. 6060101 :14/A2:22 3.2.  
IEC 60601-1:2005/A1:2012/A2:2020 3.2.  
IEC 60601-1-2:2014/A1: 2020 4.1.  
IEC 62368-1: 2018 3.0.  
IEC 60601-1-6 : 2010/A1: 2013/A2: 2020 3.2.  
EN 60601-1:2006+A2:2021.  
EN 60601-1-2: 2015+A1:2021.  
EN IEC 62368-1: 2020+A11:2020.  
BS EN 60601-1: 2006+A2: 2021.  
BS EN 60601-1-2: 2015+A1:2021.  
BS EN IEC 62368-1 :2020+A11:2020.  
47CFR FCC part 15 subpart B.  
ICES-003 issue 7 Oct. 2020.  
ISO 14971 3rd edition, December 2019.

**External I/O**

**USB** 2 x USB 2.0 (front I/O)  
2 x USB 2.0 type A  
4 x USB 3.2 type A

**LAN** 2 x RJ45

**Audio** Line-out, Mic-in

**Display** 1 x HDMI  
2 x DP++

**Mechanical & Environmental**

**Operating Temp.** 0°C ~ 40°C (32°F ~ 104°F)

**Storage Temp.** -30°C ~ 70°C (-22°F ~ 158°F)

**Operating Humidity** 40°C @ 95% Relative humidity, non-condensing

**Dimension (W x L x H)** 330 x 344 x 160 mm

**Weight** 7kg

**Vibration Test** Operating with SSD : 0.5 Grms, IEC 60068-2-64, 5 ~ 500Hz, 0.5hr/axis

**Shock Test** With SSD : 10 Grms, IEC 60068-2-29, half sine, 11ms

**Drop Test** One corner, three edges, six faces  
ISTA 2A, IEC-60068-2-32

**IP Rating** IPX1 grade protection

**Color** White

**Construction** Metal + plastic

**Ordering Information**

**Ordering Information** MAB-T600-A1-1R STD Chassis Kit with RX610H MB & PSU & CPU Fan  
RCC-GPU-T1000-01R GPU NVIDIA T1000 8GB graphic card  
RCC-GPU-A5000-01R GPU NVIDIA RTX A5000 24GB graphic card  
RCC-GPU-A4000-01R GPU NVIDIA RTX A4000 16GB graphic card

## Assured Systems

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