

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

Processor	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
Platform Controller Hub	Intel® H610E PCH
System Memory	2 x DIMM slots support Dual Channel DDR5 memory speed up to 4800/5600MHz (CPU dependent) with UDIMM, up to 64GB
BIOS	Socket type 256Mb SPI BIOS
Watchdog Timer	H/W reset, 5~255 seconds/5~255 minutes
H/W Status Monitor	CPU temperature monitoring, voltages monitoring, CPU fan speed control
TPM	Support onboard TPM 2.0
SBC	RX610H

Expansion

M.2	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)
PCIe	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

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660