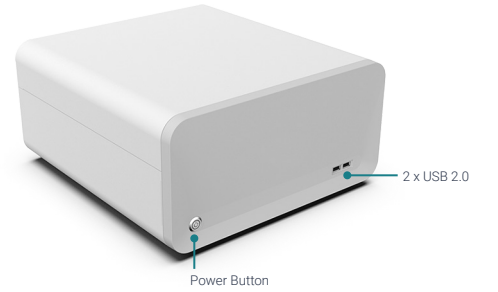


Features

- LGA 1700 Socket supports 12th/13th/14th Gen Intel® Core™ i 9/7/5/3 Processor
- Intel® H610E Chipset
- 2 x sockets support up to 64GB DDR5 4800MHz memory modules
- 1 x HDMI, 2 x DP++, 2 x LAN
- External USB (Rear IO): 4 x USB 3.2, 2 x USB 2.0
- External USB (Front IO): 2 x USB 2.0
- 1 x Gen5 PCIe x16, 3 x Gen3 PCIe x1
- Storage option: 2 x 2.5" SATAIII HDD/SSD Drive or 2 x 3.5" SATAIII HDD/SSD Drive
- IPX1 Grade Protection. IPX1 on the top and front sides, providing resistance against dripping water to prevent liquid damage
- Designed with 4 Reserved Expansion Slots for PCIe Add-on Cards, Perfect for Diverse Applications
- 500W Medical Grade PSU Outlet
- Smart Fan Control
- 0~40°C (32°F ~ 104°F) Operating Temp



Specifications

System	
Motherboard	RX610H Micro-ATX Motherboard
CPU	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
System Chipset	Intel® H610E PCH
System Memory	2 x DIMM slots support Dual Channel DDR5 memory speed up to 5600MHz with UDIMM, up to 64GB
BIOS	Socket Type 256Mb SPI BIOS
Audio	Realtek HD Audio Codec
Ethernet	1 x Intel® Ethernet Controller I219-V 1 x Intel® Ethernet Controller I225-LM (2.5 GbE)
Expansion	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) 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)
Storage/Drive Bay	2 x 2.5" SATAIII HDD/SSD Drive or 2 x 3.5" SATAIII HDD/SSD Drive (Optional)
TPM	TPM 2.0
Supported OS	Windows 10, Windows 11, Linux
External I/O - Front	
USB	2 x USB 2.0
External I/O - Rear	
Display	1 x HDMI, 2 x DisplayPort (DP++)
USB	2 x USB 2.0 Type A, 4 x USB 3.2 Type A
LAN	2 x RJ45
Audio	Line-out, Mic-in
Power Management	
PSU	500W Medical 1U ATX Power Supply Unit
Power Mode	AT/ATX mode (Default: ATX mode)

External I/O - Rear

Operating Temp	0°C ~ 40°C (32°F ~ 104°F)
Op. Humidity	40°C @ 95% Relative humidity, non-condensing
Storage Temp	-30°C ~ 70°C (-22°F ~ 158°F)
Color	White
Chassis Design Structure	Metal + plastic
IP Rating	IPX1 Grade Protection. IPX1 on the top and front sides, providing resistance against dripping water to prevent liquid damage.
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
Dimension	12.99" x 13.54" x 6.30" (330 x 344 x 160 mm)
Weight	15.43 lbs (7kg)

Ordering Info

MAB-T600-A1-1R	Standard Chassis Kit with RX610H Micro ATX Motherboard, PSU, CPU Fan, Power Cord.
RCC-GPU-T1000-01R	NVIDIA GPU T1000 8GB Graphic Card
RCC-GPU-A5000-01R	NVIDIA GPU RTX A5000 24GB Graphic Card
RCC-GPU-A4000-01R	NVIDIA GPU RTX A4000 16GB Graphic Card

* All product specifications and images are subject to change without notice. Last update: 08/01/2024



BCM Advanced Research

11 Chrysler, Irvine, CA 92618 USA
An Industry Leader in Industrial Motherboards & Embedded Computing

www.bcmcom.com

BCMSales@bcmcom.com
(949) 470-1888