

# MAB-T600-B1

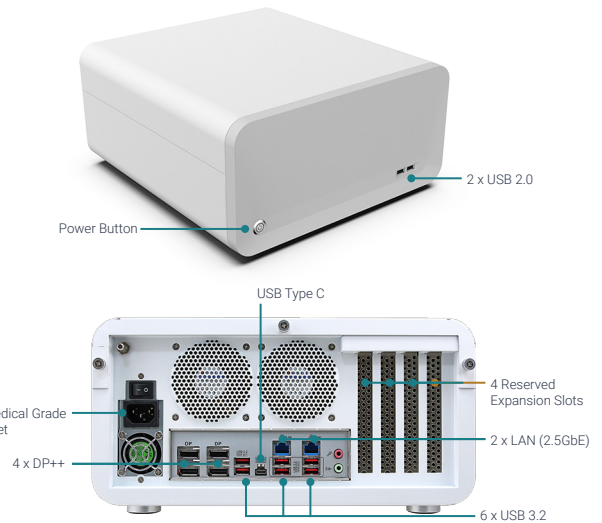
Medical Grade Full Feature Box PC, 60601-1 Certified, 500W PSU. 4xDDR5 ECC, 4xDP, 6xUSB3.2

## Features

- LGA 1700 Socket supports 12th/13th/14th Gen Intel® Core™ i 9/7/5/3 Processor
- Intel® R680E Chipset
- 4 x DIMM slots support Dual Channel DDR5 memory speed up to 4400MHz with UDIMM, up to 128GB, with ECC support
- 4 x DP++ (1.4a 4k) onboard support 4 Independent Displays
- 2 x Intel® Ethernet Controller I225 (2.5 GbE)
- 1 x Gen5 PCIe x16, 2 x Gen4 PCIe x4, 1 x Gen3 PCIe x4
- External USB (Rear IO): 6 x USB 3.2 Gen 2x1, 1 x USB 3.2 Gen 2x2 Type C
- External USB (Front IO): 2 x USB 2.0
- 4 x SATA III RAID 0, 1, 5, 10
- Storage option: 2 x 2.5" SATAIII HDD/SSD Drive or 2 x 3.5" SATAIII HDD/SSD Drive
- TPM 2.0
- 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	RX680R 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® processors up to 16 Cores 24 Threads Hybrid. 125W Max TDP
System Chipset	Intel® R680E PCH
System Memory	4 x DIMM slots support Dual Channel DDR5 memory speed up to 4400MHz with UDIMM, up to 128GB, with ECC support
BIOS	Socket Type 256Mb SPI BIOS
Audio	Realtek HD Audio Codec
Ethernet	2 x Intel® Ethernet Controller I225 (2.5 GbE)
Expansion	1 x Gen 5 PCIe x16 2 x Gen 4 PCIe x4 (x16 Physical Yellow) 1 x Gen 3 PCIe x4 Open Ended 1 x M.2 M-Key 2242/2280/22110 NVMe (Gen 4 PCIe x4 + SATA III) 1 x M.2 M-Key 2242/2280/22110 NVMe (Gen 3 PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi Support (PCIe x1 + 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	4 x DP++
USB	6 x USB 3.2 Gen 2x1, 1 x USB 3.2 Gen 2x2 Type C
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-B1-1R	Standard Chassis Kit with RX680R 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
RCC-CAP-SC710-01R	SC710N2-L HDMI2.0 Capture Card

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



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