

MAB-T660

MAB-T660 GPU card IT Grade AI Box PC with Intel 12/13th Gen Core I Processors



Product Features

- 12/13th Generation Intel® Core™ i3/i5/i7/i9 Processors
- 2 x SODIMM Up to 64GB Dual Channel DDR5 4800MHz Non-ECC DRAM support
- 2 x DP++, 1 x HDMI 2.1b
- 1x 2.5" Drive Bay
- Intel® R680E Chipset
- 4 x Intel® i226LM 2.5 Gigabit Controller
- 1 x PCI-e x 16 Gen 5 or 2 x PCI-e x 8 by switch (from CPU)
- 4 x USB 3.2 Gen 2 & 4 x USB 3.2 Gen 1 at Rear, 2 x USB at Front

Specification

System Information

Processor	12/13th Generation Intel® Core™ i3/i5/i7/i9 Processors
Platform Controller Hub	Intel® R680E Chipset
System Memory	2 x SODIMM Up to 64GB Dual Channel DDR5 4800MHz Non-ECC DRAM support
I/O Chipset	NuvoTon NCT6126D
BIOS	AMI uEFI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 5~255 seconds/5~255 minutes
H/W Status Monitor	CPU temperature monitoring, voltages monitoring, CPU fan speed control
RAID	Support RAID 0, 1
SBC	EMX-R680P

Expansion

M.2	1 x M.2 (2230) E-Key, support Wi-Fi module with PCIe x 2 Gen 3 & USB 2.0 1 x M.2 (2242/2280) M-Key, support PCI-e x 4 Gen 4 SSD (top side)
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PCIe	1 x PCI-e x 16 Gen 5 or 2 x PCI-e x 8 by switch (from CPU)
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Storage

Storage	1 x 2.5" SATAIII HDD/SSD drive
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Display

Graphic Chipset	Intel® UHD Graphics 770
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Spec. & Resolution	2 x DP++: 4096 x 2304@60Hz / 5120 x 3200@60Hz 1 x HDMI 2.1b (supported with LSPCON): 8K@60Hz
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Audio

Audio Codec	RealTek ALC888S Audio Codec
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Audio Amplifier	RealTek ALC105 Stereo Class-D 2W4Ω
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Power Requirement

Voltage Input Spec	AC 100-240 V in
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Power Supply Unit	400W medical 1U ATX power supply
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Power Mode	ATX
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Ethernet

LAN Chipset	4 x Intel® i226LM 2.5 Gigabit Controller
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Software Support

OS	Win 10, Win 11, Linux
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External I/O

USB	Front: 2xUSB 2.0 Rear: 4 x USB 3.2 Gen 2 & 4 x USB 3.2 Gen 1
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LAN	4 x 2.5 Gigabit Ethernet
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Display	1 x HDMI 2.1b 2 x DP++
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Antenna	2 x Antenna Mounting with Dust Protection Cover
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Mechanical & Environmental

Operating Temp.	0°C~35°C (32°F ~ 95°F)
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Storage Temp.	-30C°~70C° (-22°F ~ 158°F)
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Operating Humidity	Distributed by www.texim-europe.com 40% ~ 95% Relative Humidity, non-condensing
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Dimension (W x L x H)	315 x 272 x 92 mm
Weight	4.8 kg
Vibration Test	Operating with SSD : 0.5 Grms, IEC 60068-2-64, 5 ~ 500Hz, 0.5hr/axis
Shock Test	With SSD : 10 Grms, IEC 60068-2-27, half sine, 11ms
Drop Test	Package drop test:One corner, three edges, six faces ISTA 2A, IEC-60068-2-32
Color	White
Construction	Metal + plastic

Ordering Information

Ordering Information MAB-T660-A1-1R STD Chassis Kit with EMX-R680P MB & PSU & CPU Fan

Expansion cards under testing:

RCC-GPU-T1000-01R GPU NVIDIA T1000 8GB graphic card

RCC-GPU-RTXADA-01R NVIDIA RTX2000 ADA

RCC-GPU-RTXADA-03R NVIDIA RTX4000 SFF ADA

RCC-CAP-PCIE-01R SC710N2-L HDMI Capture Card

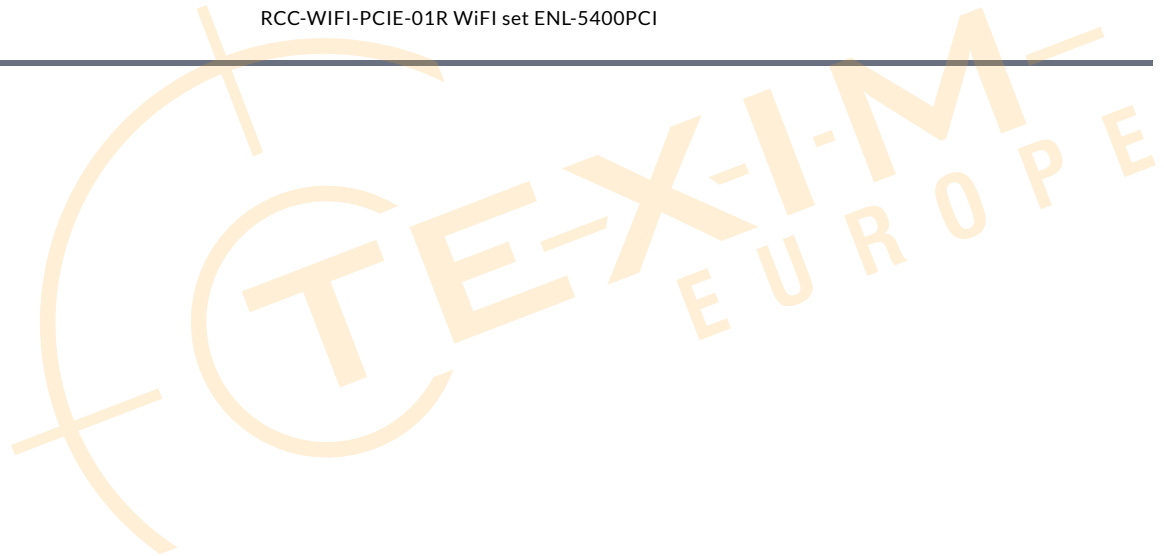
RCC-CAP-PCIE-04R SC400N2-L HDMI Capture Card

RCC-LAN-PCIE-01R Intel 82574 LAN Card

RCC-LAN-PCIE-02R Intel I350AM2 LAN Card

RCC-WIFI-M2BT-01R Intel WIFI module with kits

RCC-WIFI-PCIE-01R WiFi set ENL-5400PCI



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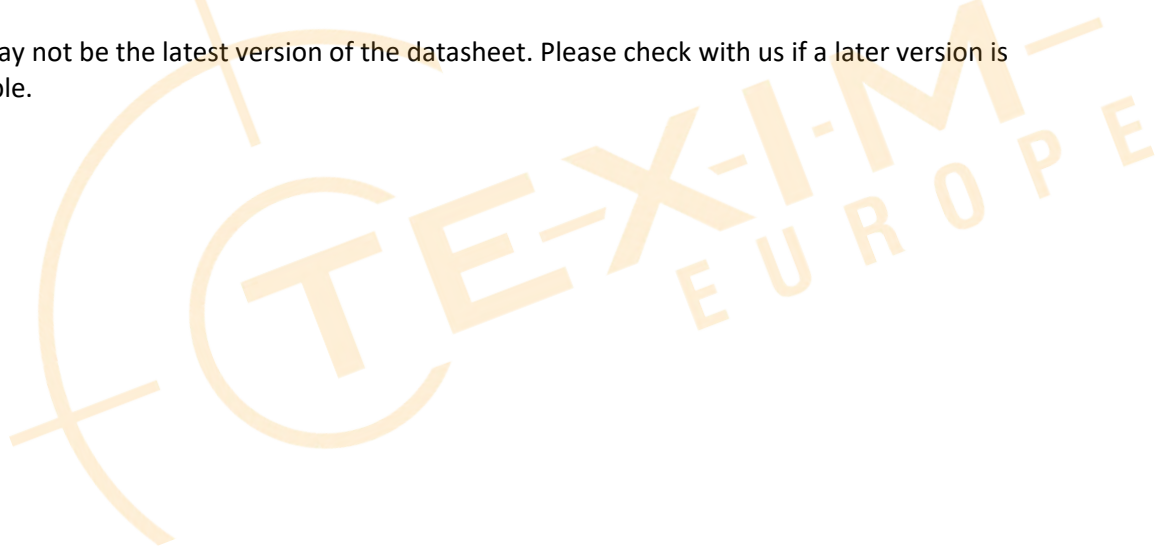
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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