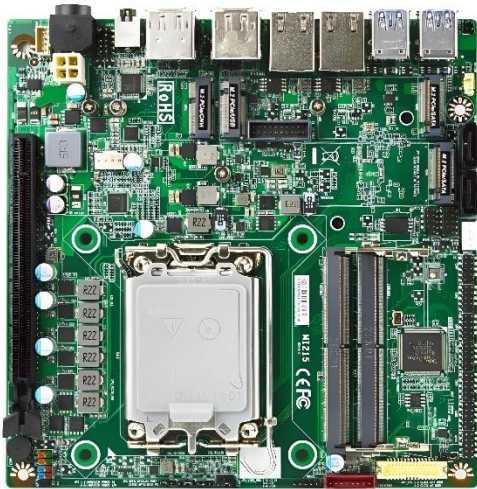




FEATURES

- Powered by Intel® 14th/13th/12th Gen LGA1700 Socket Processors (Raptor Lake-S/Alder Lake-S, Max 65W TDP)
- High-Performance Memory: Dual DDR5 SO-DIMM, up to 96GB
- Dual 2.5GbE LAN: High-speed networking
- Quad Display Support: 2 x HDMI, 2 x DP, 1 x LVDS/eDP for 4K displays
- 2 x SATA, 2 x M.2 M-key, 1 x M.2 E-key, 1 x M.2 B-key for 4G/5G, 1 x PCIe x16 (Gen 4)
- 2 x RS232/422/485, 4 x RS232, 6 x USB 3.2 ,2 ,4 x USB 2.0

MTX-05004	
Form Factor	MTX (170 * 170mm)
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 65W)
CHIPSET	Intel® R680E
BIOS	AMI Flash ROM
RAM	2 x DDR5 4800MHz, Dual Channel SO-DIMM, up to 96GB Actual memory support depends on the specific CPU and model
Display Graphics	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay eDP)
HDMI	2 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
DP	2 x DP1.4a (Max Resolution: 4096 x 2304@60Hz)
MULTIPLE DISPLAY	Support 4 Displays
ETHERNET	1 x RJ45 for Intel® I226-V 2.5GbE, 1 x RJ45 for Intel® I226-LM 2.5GbE
AUDIO	1 x Combo Audio Jack for Line-Out / Mic-In
PCIe	1 x PCIe x16 (Gen.4)
M.2	1 x M-Key 2242 (PCIe Gen.4 x4/SATA interface) support NVMe 1 x M-Key 2280 (PCIe Gen.3 x4/SATA interface) support NVMe 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVio for Wi-Fi 1 x B-Key 3042/3052 (USB3.1/USB2.0/PCIe x1) for 4G/5G module
STORAGE	2 x SATA III, 1 x SATA Power Connector, RAID 0/1
USB	4 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) Internal Header for 2 x USB 3.2, Internal Header for 4 x USB 2.0
SERIAL	Internal Header for 2 x RS-232/422/485, Internal Header for 4 x RS-232
SMBUS	Yes
CHASSIS INTRUSION	1
GPIO	8 bit
SMBUS/ I2C	1
AUDIO HEADER	1
AT/ATX	1
INPUT POWER	DC IN 12v
OPERATING TEMP	0°C – 60°C
STORAGE TEMP	-20°C – 85°C
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5~ 500Hz/ Operation
RELATIVE HUMIDITY	10 ~ 90% relative humidity, non-condensing
CERTIFICATIONS	CE, FCC, Class A, LVD
WARRANTY	2 Years