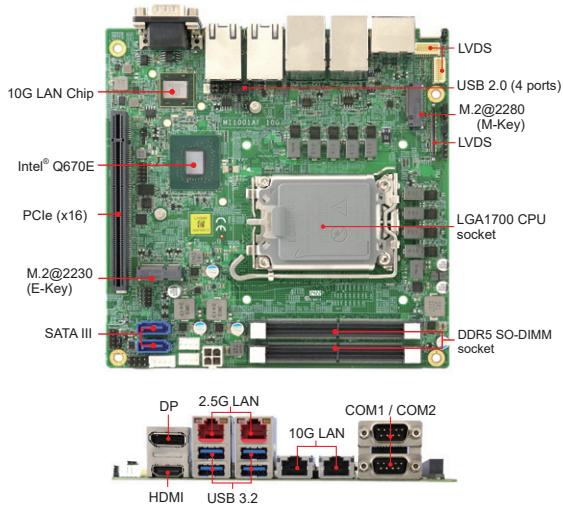




Specifications

CPU Socket	LGA1700
CPU	14th/13th/12th Gen Intel® RPL-S Refresh Core i /DT processors
PCH	Q670E
Memory	2x DDR5 SO-DIMM sockets, supports DDR5 -5600, Max. 64GB *DDR5-5600 only by Core i9/i7 Processor & 1R memory module*
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	SATA III & NVMe
Expansion Slots	1x PCIe (x16) [Gen 5.0]
Mini Type Slots	1x M.2 (M-Key, type:2280, PCIe(4x) Gen.4) 1x M.2 (E-Key, type:2230, USB 2.0 + PCIe 3.0)
Graphics Controller	14th Gen Intel® RPL-S Refresh DT processor integrated Xe graphics architecture
Video Output	1x eDP + 1x DisplayPort (1.4a) (DP++) + LVDS + 1x HDMI (2.0)
Ethernet	LAN 1: Intel® I226LM, supports 2.5G and iAMT LAN 2: Intel® I226V, supports 2.5G only LAN 3&4: Intel® X550-AT2, supports 10G (For MI1001AF-10G only)
I/O Chipset	Fintek F81966AB-I
Serial Port	2x COM ports: 1x RS232/422/485 + 1x RS232
USB 2.0	2x USB 2.0 via pin-header
USB 3.X	4x USB 3.2 (10Gbps) @ edge connector
Serial ATA	2x SATA III
Audio	N/A
TPM	TPM(2.0)
Others	Digital I/O (4-in/4-out), Watchdog Timer
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	Intel® Core™ i9-14900 processor, Up to 5.80GHz w/ 2x 32G DDR5-5600 +24V: 7.15A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Features

- 14th/13th/12th Gen Intel® Core i9/i7/i5/i3 DT processors (RPL-S Refresh)
- 2x DDR5 SO-DIMM sockets, Max. 64GB
- Intel processor integrated graphic Supports eDP, LVDS and 1x DisplayPort(1.4a) (DP++), HDMI(2.0)
- 2x Intel® 2.5G LAN & 2x Intel® 10G LAN
- 4x USB 3.2, 2x USB 2.0, 2x COM, 2x SATA III
- 1x PCIe (x16) [Gen 5.0]; 2x M.2 (E-Key and M-Key)
- Supports Watchdog Timer, Digital I/O, iAMT(16.1), TPM (2.0), **+24V only DC input**



MI1001AF-10G Board with heatsink

Ordering Information

MI1001AF-10G	LGA1700 MiniITX Motherboard, Q670E PCH, w/ Dual 10GbE, Dual 2.5GbE, HDMI + DisplayPort + eDP + LVDS, 2x SATA III, 2x COM, 2x M.2 (M2280/ E2230), supports iAMT(16.1) & dTPM (2.0), DC-in (24V only)
MI1001AF-Q	LGA1700 MiniITX Motherboard, Q670E PCH, w/ Dual 2.5GbE, HDMI + DisplayPort + eDP + LVDS, 2x SATA III, 2x COM, 2x M.2 (M2280/E2230), supports iAMT(16.1) & dTPM (2.0), DC-in (24V only)

Dimensions and Drawing

