

# MI1001

## Mini-ITX Motherboard

14th/13th/12th Gen Intel® Core™ DT Processors (RPL-S Refresh Platform)  
with Intel® Q670E PCH



# Coming soon

### Features

- 14th/13th/12th Gen Intel® Core i9/i7/i5/i3 DT processors
- 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 PCI-E (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**

### 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 memory module, Max. 64GB *DDR5-5600 only by Core i7 Processor & 1R memory module*
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	SATA III & NVMe
Expansion Slots	1x PCI-E (x16) [Gen 5.0]
Mini Type Slots	1x M.2 (M-Key, type:2280, PCI-E(4x) Gen.4) 1x M.2 (E-Key, type:2230, USB 2.0 + PCI-E 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
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	NA
TPM	dTPM/fTPM
Others	Digital I/O (4-in/4-out), Watchdog timer
Dimensions (L x W)	170mm x 170mm (6.7"x 6.7")
Power Consumption	TBD
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)

### Ordering Information

MI1001AF-R	LGA1700 MiniITX Motherboard w/ eDP, LVDS, 2x DisplayPort, 2x Dual 2.5GbE, 2x Dual 10GbE, 4x SATA, RAID, iAMT (16.1), dTPM/ fTPM (2.0))
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