

Features

- 12th Gen Intel® Core i7/i5/i3 and Celeron® Processors
- 2x DDR5 SO-DIMM sockets, Max. 64GB
- Intel® processor integrated graphics supports HDMI (2.0a), LVDS and 2x DisplayPort (1.4a) (DP++)
- Dual Intel® 2.5G LAN
- 4x USB 3.2, 2x USB 3.1, 2x USB 2.0, 4x COM, 2x SATA III
- 1x PCI-E (x1) [Gen.3.0]; 4x M.2 (B-key, E-key and 2x M-Key)
- Watchdog timer, Digital I/O, iAMT(16.0) , fTPM
- 12V~24V DC input

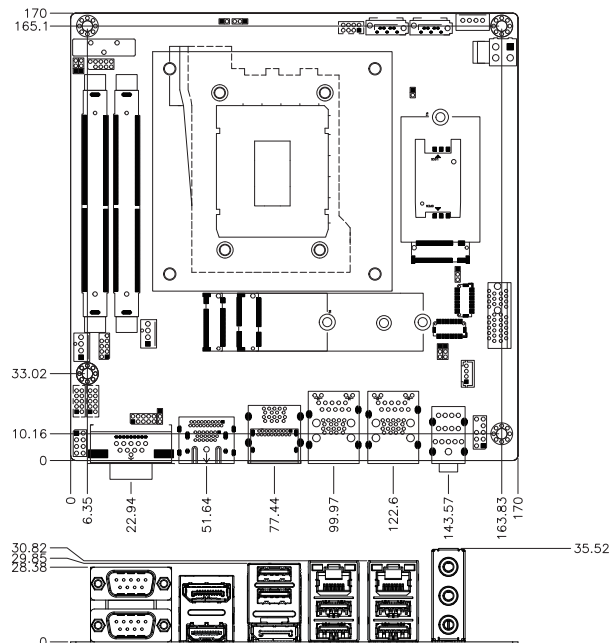
Specifications

CPU Socket	LGA1700
CPU	12th Gen Intel® Core™ i7/i5/i3 and Celeron® socket SoC Processors
PCH	N/A
Memory	2x DDR5 SO-DIMM sockets, supports DDR5-4800 memory module, Max. 64GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	SATA III & NVMe
Expansion Slots	1x PCI-E (x1) [Gen.3.0]
Mini Type Slots	2x M.2 (M-key, type:2280, PCI-E(4x) Gen.4) 1x M.2 (E-Key, type:2230, USB 2.0 + PCI-E(1x)) 1x M.2 (B-Key, type:3052, USB 3.2 + PCI-E(1x))
Graphics Controller	12th Gen Intel® Core™ i7/i5/i3 and Celeron® Processors
Video Output	1x HDMI (2.0a) + 2x DisplayPort (1.4a) (DP++) + LVDS
Ethernet	LAN 1: Intel® I226LM, supports 2.5G and iAMT LAN 2: Intel® I226V, supports 2.5G only
I/O Chip	Fintek F81964D-I
Serial Port	4 COM ports : 2x RS232/422/485 + 2x RS232
USB 2.0	2x USB 2.0 via pin-headers
USB 3.X	6x USB 3.2 (10 bps) @ edge connector
Serial ATA	2x SATA III
Audio	Built-in HD Audio controller + Realtek ALC888S w/ 7.1 channels
TPM	Supports fTPM
Others	12V~24V DC-in, Digital I/O (4-in/4-out), Watchdog timer, SIM socket
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

MI997AF	LGA1700 Mini-ITX Motherboard w /HDMI, LVDS, 2x DisplayPort, Dual 2.5GbE, 2 x SATA, RAID, iAMT (16.0), TPM (2.0)
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Dimensions and Drawing



Backplane Systems Technology

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