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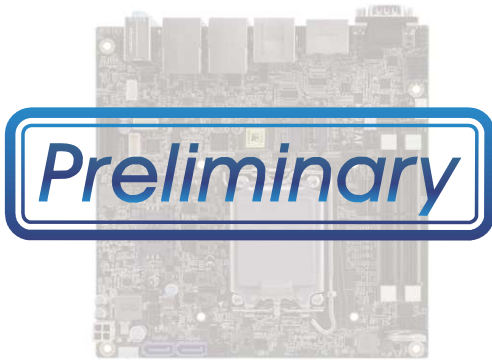


Datasheet

iBase

MI1002

Mini-ITX Motherboard with 14th Gen Intel® Core™ Ultra processors (Meteor Lake-PS)



Features

- 14th Gen Intel® Core™ Ultra processors (Meteor Lake-PS)
- 2x DDR5 SO-DIMM, Max. 64GB
- Supports HDMI, DisplayPort(DP++), 2x Type-C
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 2.5G LAN
- 4x USB 3.2 Type-A, 2x USB 3.2 Type-C, 4x USB 2.0, 4x COM, 2x SATA III
- 1x PCI-E (x4), 3x M.2 (M-Key + E-Key + B-Key)
- Supports 5G & watchdog timer, Digital I/O, iAMT (18), dTPM (2.0) / fTPM (2.0)

Specifications

| | |
|--------------------------|---|
| CPU Socket | LGA1851 |
| CPU | 14th Gen Intel® Core™ Ultra Processor for 1-chip SoC socket |
| PCH | N/A |
| Memory | 2x DDR5 SO-DIMM, Max. 64GB |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | M.2 (M2280 for NVMe) |
| Expansion Slots | 1x PCI-E (x4) |
| Mini Type Slots | 1x M.2 (M-Key, Type:2280, supports NVMe with PCI-E(4x) signal only) 1x M.2 (E-Key, Type:2230, supports CNVj) 1x M.2 (B-Key, Type:3052, supports 5G/LTE) |
| Graphics Controller | 14th Gen Intel® Core™ Ultra Processor integrated Iris® 8Xe graphics |
| Video Output | HDMI, DisplayPort, 2x Type-C |
| Ethernet | Intel® I226LM as 1st LAN, I226V as 2nd LAN |
| I/O Chipset | Fintek F81964D-I on board |
| Serial Port | N/A |
| USB 2.0 | 4x USB 2.0 via pin-header |
| USB 3.X | 6x USB 3.2 (4x Type-A+ 2x Type-C) |
| Serial ATA | 2x SATA III |
| Audio | Intel® MTL-PS built-in HD audio controller + Realtek codec ALC888S-VD2-GR |
| TPM | dTPM / fTPM |
| Others | Digital I/O (4-in/4-out); RAID, iAMT (18) |
| Dimensions (L x W) | 170mm x 170mm |
| 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

| | |
|----------|--|
| MI1002AF | LGA1851 Mini-ITX Motherboard w/ HDMI, DisplayPort, 2x Type-C, Dual 2.5GbE, 2x SATA, iAMT (18.0), dTPM (2.0) / fTPM (2.0) |
|----------|--|

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