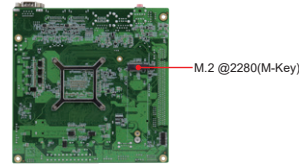


Features

- AMD Ryzen™ Embedded V2000 Series on board
- 2x DDR4 SO-DIMM, Max. 64GB, ECC compatible
- Dual Intel® Gigabit LAN
- 4x DisplayPort 1.4
- 3x USB3.1, 2x USB2.0, 4x COM, 1x SATA III
- 1x PCI-E(x16), 3x M.2 (B-Key, E-Key and M-Key)
- Watchdog timer, Digital I/O, TPM (2.0)



Specifications

| | |
|--------------------------|---|
| CPU Socket | BGA1140 |
| CPU | AMD V2000 series APU on board |
| PCH | N/A |
| Memory Types | 2x DDR4-3200 SO-DIMM socket, Max 64GB, ECC compatible |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 2x M.2 (B-Key/ M-key) |
| Expansion Slots | 1x PCI-E (x16) |
| Mini Type Slots | 1x M.2 (E-Key, type:2230) 1x M.2 (B-Key, type:3052) 1x M.2 (M-key, type:2280, NVMe) |
| Graphics Controller | AMD Radeon Graphics |
| Video Output | 4x DisplayPort 1.4 |
| Ethernet | 2x Intel® I211AT Gigabit LAN |
| I/O Chip | F81966D-I |
| Serial Port | 4x COM Port |
| USB 2.0 | 2x USB2.0 |
| USB 3.0/ 3.1 | 3x USB3.1 (10Gbps) |
| Serial ATA | 1x SATA3.0 |
| Audio | built-in HD audio + Realtek ALC888S codec |
| TPM | 2.0 |
| Others | Digital I/O, SIM |
| 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 | 95% (non-condensing @60°C) |

Ordering Information

| | |
|-------------|---|
| MI989F-2718 | AMD Ryzen™ V2718 APU (1.7GHz~4.15GHz) on board Mini-ITX motherboard, with 4x DisplayPort, dual Gigabit LAN, TPM (2.0), EuP/ErP, CPU cooler on board |
| MI989F-2748 | AMD Ryzen™ V2748 APU (2.9GHz~4.15GHz) on board Mini-ITX motherboard, with 4x DisplayPort, dual Gigabit LAN, TPM(2.0), EuP/ErP, CPU cooler on board |

Dimensions and Drawing

