Expandable System
High Performance Expandable Industrial Computer Powered by 13th/12th Gen Intel® Core™ i9/i7/i5/i3 DT processors

Specifications

- **System Mainboard**: MB998 Series MicroATX motherboards
- **CPU Type**: 13th/12th Gen Intel® Core™ DT processors (TDP 65W)
- **System Speed**: Up to 5.60 GHz (W680R supports ECC by CPU SKUs)
- **Memory**: 2x DDR5 UDIMM, Max. 64GB
- **Accelerator Card**: Optional RTX-2080 or equivalent GPU card
- **LAN**: Intel® I226LM + I226V

**Front Panel**

- **External I/O**
  - Power button
  - 2-pin remote boot extension design
  - Detachable side cover for GFX Card
  - 4x Slots
  - 2 DisplayPort + HDMI + DVI-D [Optional]
  - 6x USB3.0 ports
  - 2x RJ45 for 2.5GbE
  - 2x RS232/422/485, 2x RS232

**Rear Panel**

- **External I/O**
  - Pluggable cooling-fan
- **Expansion Slot**
  - 1x PCI-E(x16) [Gen.5], 1x PCI-E(x4) [Gen.4], 1x PCI-E(x4) [Gen.3]
- **Storage**
  - 4x 2.5" SATA (supports RAID 0/1) + 2x M.2 M-Key (2280) storage
- **Auto Control and Monitoring**
  - Watchdog Timer: 256 segments, 0, 1, 2...255 (sec/min)
- **Power Requirement**
  - ATX
- **Power Supply**: 500W
- **Construction**: SECC
- **Chassis Color**: Black
- **Mounting**: Desktop & wall mount
- **Weight**: Depends on the configuration of power supply and motherboard related components
- **Dimensions**: 362.4mm(W) x 350.0mm(D) x 156.0mm(H)
- **Others**: N/A

**Certification**

- CE
- FCC Class A / LVD

**Operating System**

- Windows 10
- Linux Ubuntu

**Ordering Information**

- CMB108M (CMB), Chassis with MicroATX 13th/12th motherboard w/o CPU, memory, storage, support Intel® i9/i7/i5/i3 / Pentium® / Celeron® processors, up to 5.4GHz

**Features**

- Supports 13th/12th Gen Intel® Core™ DT processors (TDP 65W)
- Supports discrete GPU cards with reserved expansion slots
- Multiple expansion slots:
  - 1x PCI-E(x16) [PCI-E Gen.5], 1x PCI-E(x4) [PCI-E Gen. 4], 1x PCI-E(x4) [PCI-E Gen.3]
- 500W 1U Flex ATX power supply [Default]
- 2-pin remote boot extension design
- Supports multi-display interfaces [HDMI, DisplayPort, DVI-D] and 2.5GbE ports, USB 3.0 ports
- 4 set of 2.5" storage devices (supports RAID 0/1)
- 2x M-Key (2280) for NVMe, 1x E-Key (2230) for WiFi/BT, support CNVi, 1x B-Key (3052) for 5G
- fTPM, DIO, iAMT(16.1), Watchdog timer

**Dimensions and Drawing**

- CE
- FCC Class A / LVD

- Dimensions and Drawing

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**Remarks**: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user’s manual & datasheet download, visit www.ibase.com.tw.