



## Features

- LGA1700 13th/12th Gen Intel® Core™ desktop SoC processor compatible
- 2x DDR5 SO-DIMM sockets, Max. 64GB for DDR5-5600 /4800 (Non-ECC)
- Supports 2x DisplayPorts & 1x HDMI
- 2x Intel® 2.5G LAN, 6x USB 3.2, 2x COM, 2x NVMe for storage devices
- 4x M.2 sockets (2x M-key/ B-key/ E-key)
- Wall mount kit included, optional VESA mount kit
- Dimensions: 200(W) x 200(D) x 62(H) mm

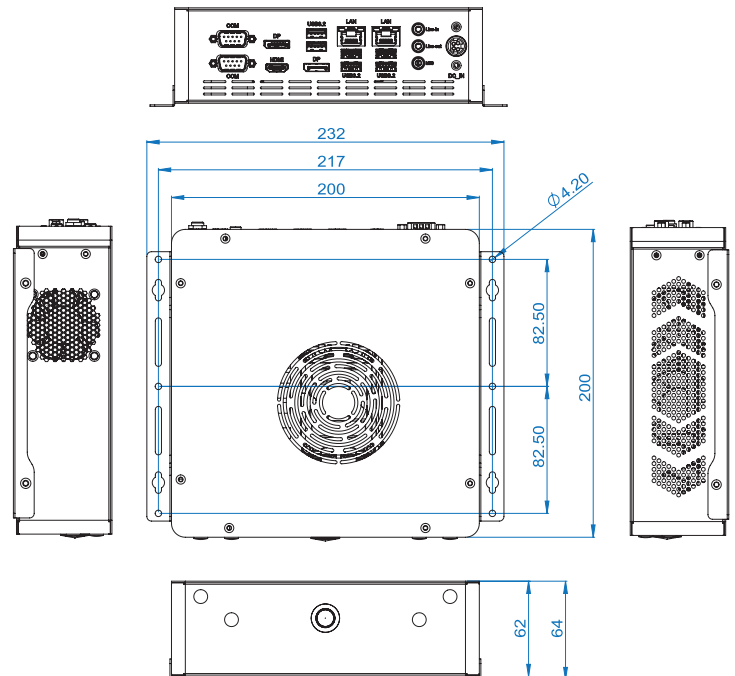
## Specifications

|                          |                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard         | MI997AF                                                                                                                                       |
| CPU Type                 | 13th/12th Intel® Core™ desktop SoC processors (45W or 15W TDP)                                                                                |
| System Speed             | Up to 4.8GHz                                                                                                                                  |
| Memory                   | 2x DDR5-5600/4800 SO-DIMM, Max. 64GB                                                                                                          |
| Front Panel External I/O | 4x Antenna hole reserved<br>power button with LED indicator                                                                                   |
| Rear Panel External I/O  | 2x RS232/422/485 port for COM#1~COM#2<br>2x DisplayPort + 1x HDMI<br>6x USB 3.2 ports<br>2x RJ-45 2.5G LAN<br>3-port Audio Jack<br>1x DC-jack |
| Expansion Slots          | 1x M.2 B-key 3052 (LTE/5G/4G)<br>1x M.2 E-key 2230 (WiFi/BT)<br>2x M.2 M-key 2280 (NVMe)                                                      |
| Storage                  | 2x M.2 2280 M-key for NVMe SSD                                                                                                                |
| Construction             | Aluminum & Wheel                                                                                                                              |
| Chassis Color            | Black                                                                                                                                         |
| Mounting                 | Desktop & wall mount bracket<br>Optional VESA mount kit                                                                                       |
| Dimensions               | 200mm(W) x 200mm(D) x 62mm(H)<br>7.87" (W) x 7.87" (D) x 2.44" (H)                                                                            |
| Others                   | With Active CPU Cooler, Optional Power adaptor<br>Power Requirement: +12~+24V DC-in<br>Operating System: Windows 10 /11, Ubuntu               |
| Weight                   | 1.9 kg                                                                                                                                        |
| Operating Temperature    | 0 °C ~ +45 °C (32°F~113°F)                                                                                                                    |
| Storage Temperature      | -20°C~+80°C (-4°F~176°F)                                                                                                                      |
| Relative Humidity        | 5%~90%@45°C (non-condensing)                                                                                                                  |
| Vibration                | Operating: 1 Grms / 3~500Hz                                                                                                                   |
| Shock                    | Operating: 20G/11 ms Duration<br>Non-operating: 40G/11 ms Duration                                                                            |
| Certification            | CE, FCC Class B & LVD                                                                                                                         |

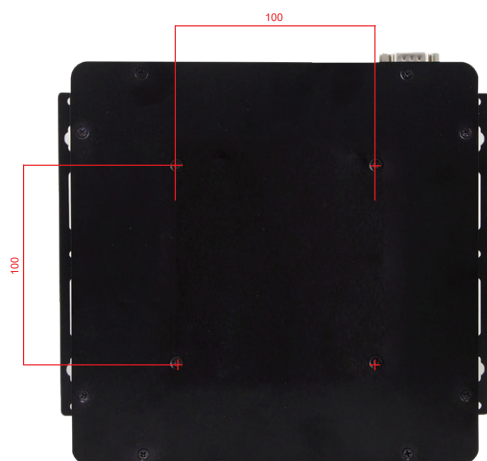
## Ordering Information

|                               |                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| CMI300-997M                   | (CMI) Embedded system with MI997AF & CPU cooler, w/o CPU/memory/SSD/Power adaptor, Support iAMT (16.1), mounting brackets (RoHS2) |
| 230W power adaptor (optional) | 230W(24V@9.58A) power adaptor, 4pin DC-jack<br>Compatible with IEC62368-1/ EN62368-1                                              |

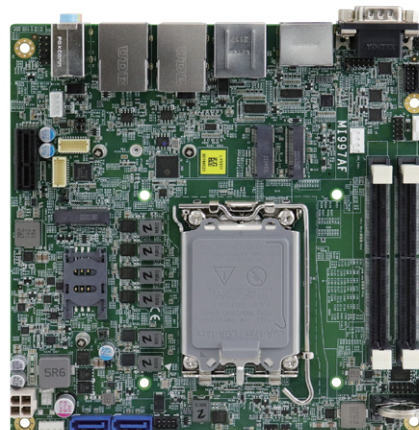
## Dimensions and Drawing



## Desk mount / VESA mount



## MI997 Motherboard



## Recommended Processor List

| Processor                | Core number | Base ~ Turbo (Max.) | TDP  | L3 Cache | Use Condition Embedded |
|--------------------------|-------------|---------------------|------|----------|------------------------|
| i7-12800HL               | 14          | 2.40 GHz ~ 4.80 GHz | 45 W | 24MB     | Yes (10 years)         |
| i7-12700HL               | 14          | 2.30 GHz ~ 4.70 GHz | 45 W | 24MB     | Yes (10 years)         |
| i5-12600HL               | 12          | 2.70 GHz ~ 4.50 GHz | 45 W | 18MB     | Yes (10 years)         |
| i5-12500HL               | 12          | 2.50 GHz ~ 4.50 GHz | 45 W | 18MB     | Yes (10 years)         |
| i3-12300HL               | 8           | 2.00 GHz ~ 4.40 GHz | 45 W | 12MB     | Yes (10 years)         |
| i7-1265UL                | 10          | 1.80 GHz ~ 4.80 GHz | 15 W | 12MB     | Yes (10 years)         |
| i7-1255UL                | 10          | 1.70 GHz ~ 4.70 GHz | 15 W | 12MB     | Yes (10 years)         |
| i5-1245UL                | 10          | 1.60 GHz ~ 4.40 GHz | 15 W | 12MB     | Yes (10 years)         |
| i5-1235UL                | 10          | 1.30 GHz ~ 4.40 GHz | 15 W | 12MB     | Yes (10 years)         |
| i3-1215UL                | 6           | 1.20 GHz ~ 4.40 GHz | 15 W | 10MB     | Yes (10 years)         |
| Celeron® Processor 7305L | 5           | 1.10 GHz ~ 1.10 GHz | 15 W | 8MB      | Yes (10 years)         |
| Core™ 3 100HL            | 8           | 2.1 GHz ~ 4.6 GHz   | 45 W | 12MB     | Yes (10 years)         |
| Core™ 3 100UL            | 6           | 1.2 GHz ~ 4.5 GHz   | 15 W | 10MB     | Yes (10 years)         |
| Core™ 5 120HL            | 12          | 2.6 GHz ~ 4.7 GHz   | 45 W | 18MB     | Yes (10 years)         |
| Core™ 5 120UL            | 10          | 1.3 GHz ~ 4.6 GHz   | 15 W | 12MB     | Yes (10 years)         |
| Core™ 5 130HL            | 12          | 2.8 GHz ~ 4.8 GHz   | 45 W | 18MB     | Yes (10 years)         |
| Core™ 5 130UL            | 10          | 1.6 GHz ~ 4.7 GHz   | 15 W | 12MB     | Yes (10 years)         |
| Core™ 7 150HL            | 14          | 2.5 GHz ~ 5 GHz     | 45 W | 24MB     | Yes (10 years)         |
| Core™ 7 150UL            | 10          | 1.7 GHz ~ 5 GHz     | 15 W | 12MB     | Yes (10 years)         |
| Core™ 7 160HL            | 14          | 2.5 GHz ~ 5.2 GHz   | 45 W | 24MB     | Yes (10 years)         |
| Core™ 7 160UL            | 10          | 1.8 GHz ~ 5.2GHz    | 15 W | 12MB     | Yes (10 years)         |