

HM312 Series

Features

- Intel® Alder Lake-N N97/i3-N305
- Single-channel DDR5-4800, with a maximum memory capacity of 16GB
- Dual displays with DP and HDMI
- 3x LAN (2x Intel i210; 1x Realtek RTL8111H)
- 1x RS-232/422/485; 1x RS-232; 2x RS-232/485
- 3x USB 3.0; 1x USB 2.0
- Support expansion of 4G/5G and Wi-Fi 6 wireless communication modules
- DC9-36V, support optional UPS module expansion



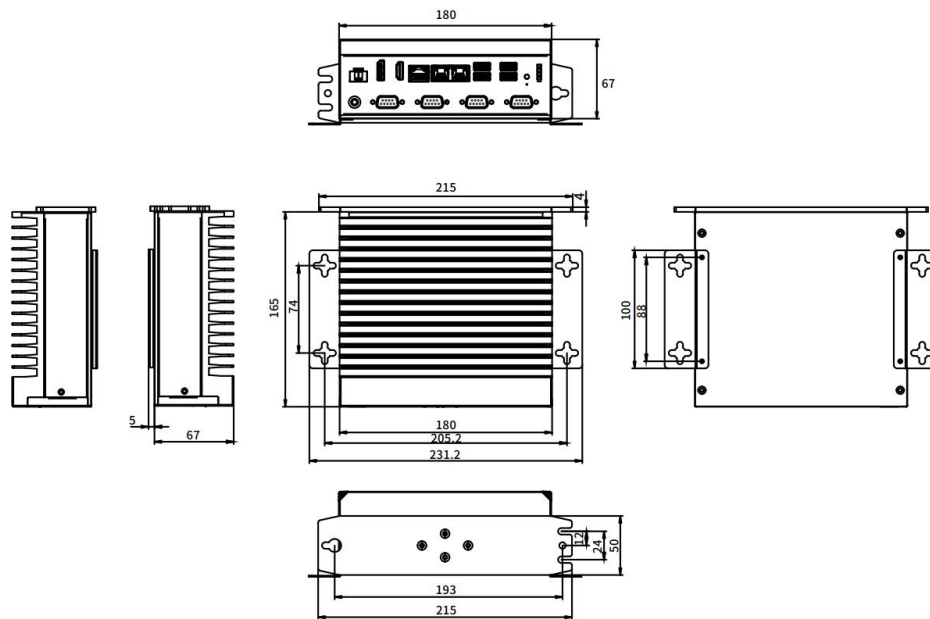
Product Parameters

| | | |
|-------------------|----------|--|
| System Parameters | CPU | Intel Alder Lake-N N97/i3-N305 |
| | Chipsets | Intel® SoC Integrated |
| | BIOS | AMI 128Mbit SPI Flash |
| | Memory | 1x SODIMM DDR5, MAX 16GB |
| | Storage | 1x M.2 M-Key 2280, SATA 3.0 |
| External I/O | Display | 1x DP, MAX 4096 x 2304@60Hz 1x HDMI, MAX 4K/2K@60Hz |
| | LAN | 2x LAN, Intel® i210 GbE 1x LAN, Realtek RTL8111H GbE |
| | COM | 1 x RS-232/422/485, 1 x RS-232, 2x RS-232/485 |
| | USB | 3x USB3.0; 1x USB2.0 |
| Other | REMOTE | Support remote switching, integrated in the power supply part |
| | RESET | Support BIOS reset by long-pressing the power button when shutdown |

| Product Parameters | | |
|--------------------------|-----------------------|--|
| Internal Expansion | USB | 1xInternal USB2.0(Pin) |
| | M.2 | 1xM.2 3052, support 4G/5G; 1xM.2 2230, support Wi-Fi |
| | SIM | 1 x Nano SIM |
| System | OS | Windows 10/11.centos 8.ubuntu 20.04/22.04 |
| Power supply | Input voltage | DC9~36V |
| | Power | MAX 60W |
| Mechanical parameters | Installation | Wall-mounted installation (rail optional) |
| | Dimensions | 180 x 165 x 67 mm |
| | Net weight | 1.2kg |
| Environmental parameters | operating temperature | 0~60°C, with an air flow of 0.7 meters per second |
| | storage temperature | -40°C ~85°C, 60°C @ 95% (non-condensing) |
| | relative humidity | 10 ~ 95% @ 40°C(non-condensing) |
| | EMC | CE、FCC Class B |

HM312

Unit:mm



Ordering Information

| Model | CPU | MEM | SSD | HDD (2.5") | Expansion module |
|------------|---------|--------|----------------------|-------------|-----------------------|
| HM312-SXXX | N97 | 8G/16G | 128G/256G/512G/1T/2T | / | WiFi module/5G module |
| HM312-SXXX | i3-N305 | 8G/16G | 128G/256G/512G/1T/2T | / | WiFi module/5G module |

*XXX represents the memory capacity 2X, solid-state drive capacity 2X, and mechanical hard drive capacity XT in sequence