



309.00 EUR  
incl. 19% VAT, plus [shipping](#)

- 2x LAN !
- SoC-N97 !
- MiniITX !

- 1 x DDR5 SODIMM Slot, up to 32GB
- 2 x HDMI 2.0b, 1 x Type-C DP, 1 x LVDS/eDP
- 2 x 2.5GbE
- 1 x USB 3.2 Gen2, 1 x USB3.2 Gen2 Type-C, 6 x USB2.0
- 1 x RS232/422/485, 5 x RS232
- 1 x SATAIII, 1 x M.2 2242/2280 M-key, 1 x M.2 2230 E-key, 1 x M.2 3042/3052 B-key
- DC Input 12~28V
- Support RVP, OCP, and OVP design

## SYSTEM

|             |  |
|-------------|--|
| FORM FACTOR | Mini-ITX   |
| CPU         | Onboard Intel® Processor N-series Processors (formerly Alder Lake-N)<br>Intel® Processor N97<br>*For additional compatible CPUs, please contact regional sales |
| CPU TDP     | 12W  |
| CHIPSET     | Integrated with Intel® SoC   |
| MEMORY TYPE | 1 x DDR5 4800MHz, Single Channel SODIMM, up to 32GB  |
| BIOS        | UEFI   |
| WAKE ON LAN | Yes  |

|                     |   |
|---------------------|---|
| WATCHDOG TIMER      | 255 Levels  |
| SECURITY            | TPM2.0 (Optional)   |
| RTC BATTERY         | Lithium Battery 3V/200mAh   |
| DIMENSION (L X W)   | 170mm x 170mm (6.7" x 6.7")   |
| OS SUPPORT          | Windows® 10 (64bit), Windows® 11 (64bit)<br>Linux                             |
| <b>POWER</b>        |   |
| POWER REQUIREMENT   | DC 12~28V   |
| POWER SUPPLY TYPE   | AT/ATX Mode   |
| CONNECTOR           | DC Jack Connector<br>4pin Header  |
| <b>DISPLAY</b>      |   |
| CONTORLLER          | Intel® UHD Graphics   |
| LVDS/eDP/MIPI-DSI   | 1 x 24 Bit Dual Channel LVDS, up to 1920 x 1080 @60Hz, co-lay eDP             |
| DISPLAY INTERFACE   | 2 x HDMI 2.0b, up to 4K x 2K @60Hz<br>1 x Type-C DP1.4, up to 4K x 2K @60Hz   |
| MULTIPLE DISPLAY    | Support 3 Displays  |
| <b>AUDIO</b>        |   |
| CODEC               | Realtek ALC897 with 3W Amp.   |
| AUDIO INTERFACE     | Combo Line-out/MIC  |
| SPEAKER             | 1 x Speaker Connector   |
| <b>EXTERNAL I/O</b> |   |
| ETHERNET            | 2 x Intel® i226V, 10/100/1000/2500 Base-T                                     |
| USB                 | 1 x USB3.2 Gen 2<br>1 x USB3.2 Gen 2 Type-C support DP ALT mode<br>2 x USB2.0 |
| SERIAL PORT         | 1 x RS232/422/485 with 5V/12V selectable                                      |
| VIDEO               | 2 x HDMI 2.0b<br>1 x DP1.4 (via USB Type-C)                                   |
| <b>INTERNAL I/O</b> |   |
| USB                 | 4 x USB2.0  |
| SERIAL PORT         | 5 x RS232 (5V/12V selectable)   |
| VIDEO               | 1 x 24 Bit Dual Channel LVDS, up to 1920 x 1080 @60Hz, co-lay eDP             |
| AUDIO               | 1 x Speaker Connector   |
| GPIO                | 8-Bit   |
| SMBUS               | Yes   |
| I2C                 | —   |
| FAN                 | 1 x CPU Fan<br>1 x System Fan   |
| SIM                 | 1 x Nano SIM Card   |
| FRONT PANEL         | HDD LED<br>PWR LED<br>Power Button<br>Reset                                   |
| OTHERS              | 1 x PS/2  |
| <b>STORAGE</b>      |   |
| SATA                | 1 x SATA3<br>1 x SATA Power Connector   |

|  |  |
|--|--|
| MINI PCI-E/MSATA                       | —  |
| M.2                                    | 1 x M-Key 2242/2280 (SATA/PCIe 3.0 x2) support NVMe  |
| eMMC                                   | eMMC 64GB (optional)   |
| <b>EXPANSION</b>                       |  |
| M.2                                    | 1 x E-key 2230 (USB2.0/PCIe 3.0 x1) support CNVi<br>1 x B-key 3042/3052 (USB3.2 Gen 1/USB2.0) for 4G/5G module |
| OTHERS                                 | —  |
| <b>ENVIRONMENT &amp; CERTIFICATION</b> |  |
| OPERATING TEMPERATURE                  | -20°C ~ 60°C (32°F ~ 140°F)  |
| STORAGE TEMPERATURE                    | -20°C ~ 85°C (-4°F ~ 185°F)  |
| OPERATING HUMIDITY                     | 10% ~ 90% relative humidity, non-condensing  |
| CERTIFICATION                          | Meet CE/FCC Class A  |