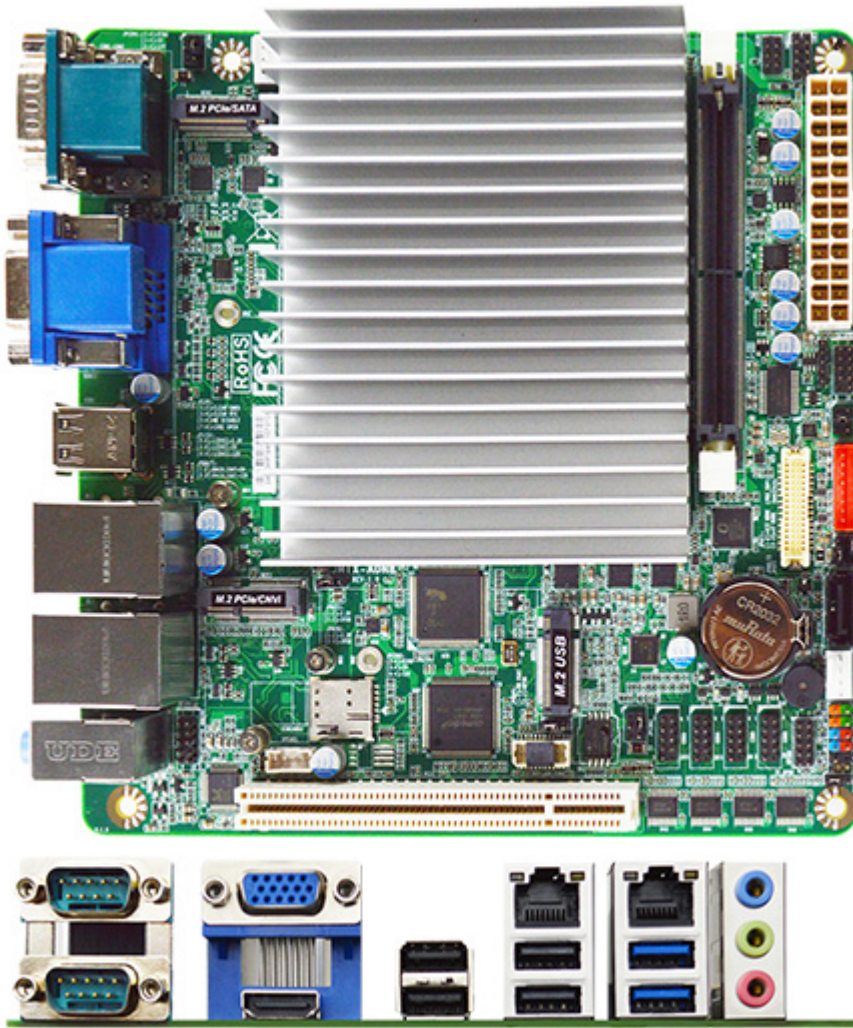




279.00 EUR

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

- Intel Alder Lake-N !
- SoC-N97 !
- 6\* USB, 2x RS232 !
- MiniITX !

- 1 x DDR5 SODIMM Slot, up to 32GB
- Three Independent Display: 1 x HDMI 2.0b, 1 x VGA, 1 x LVDS/eDP
- 2 x 1GbE
- 2 x USB3.2 Gen1, 7 x USB2.0
- 1 x M.2 2242/2280 M-key, 1 x M.2 2230 E-key, 1 x M.2 3042/3052 B-key
- 1 x PCI, 1 x SATAIII
- ATX Power

## 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   | ATX                                                                    |
| POWER SUPPLY TYPE   | AT/ATX                                                                 |
| CONNECTOR           | 24pin 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   | 1 x HDMI 2.0b, up to 4K x 2K @60Hz<br>1 x VGA, up to 1920 x 1080 @60Hz |
| MULTIPLE DISPLAY    | Support 3 Displays                                                     |
| <b>AUDIO</b>        |                                                                        |
| CODEC               | Realtek ALC897 with 3W Amp.                                            |
| AUDIO INTERFACE     | 1 x Line-in<br>1 x Line-out<br>1 x MIC                                 |
| SPEAKER             | 1 x Internal Speaker Connector with 3W Apm.                            |
| <b>EXTERNAL I/O</b> |                                                                        |
| ETHERNET            | 2 x Realtek® RTL8111H GbE                                              |
| USB                 | 2 x USB3.2 Gen 1<br>4 x USB2.0                                         |
| SERIAL PORT         | 2 x RS232/422/485 (COM1 support 5V/12V selectable)                     |
| VIDEO               | 1 x HDMI 2.0b<br>1 x VGA                                               |
| <b>INTERNAL I/O</b> |                                                                        |
| USB                 | 3 x USB2.0                                                             |
| SERIAL PORT         | 4 x RS232 (COM3 support 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                 | Yes                                                                    |
| FAN                 | 1 x CPU Fan, 1 x System Fan                                            |
| SIM                 | 1 x SIM Card                                                           |
| FRONT PANEL         | HDD LED<br>PWR LED<br>Power Button<br>Reset                            |
| OTHERS              | 1 x Chasis Intrusion, 1 x Buzzer onboard                               |
| <b>STORAGE</b>      |                                                                        |
| SATA                | 1 x SATAIII                                                            |
| MINI PCI-E/MSATA    | —                                                                      |
| M.2                 | 1 x M-Key 2242/2280 (SATAIII/PCIe 3.0 x1) 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 Gen1/USB2.0) for 4G/5G module |
| OTHERS                                 | 1 x PCI                                                                                                       |
| <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                                                                                           |