



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

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|----------------|--|
| FORM FACTOR | Mini-ITX |
| CPU | Onboard Intel® Processor N-series Processors (formerly Alder Lake-N) Intel® Processor N97 *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 |

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

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|--|---|
| eMMC | eMMC 64GB (optional) |
| EXPANSION | |
| M.2 | 1 x E-key 2230 (USB2.0/PCIe 3.0 x1) support CNVi 1 x B-key 3042/3052 (USB3.2 Gen1/USB2.0) for 4G/5G module |
| OTHERS | 1 x PCI |
| ENVIRONMENT & CERTIFICATION | |
| 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 |