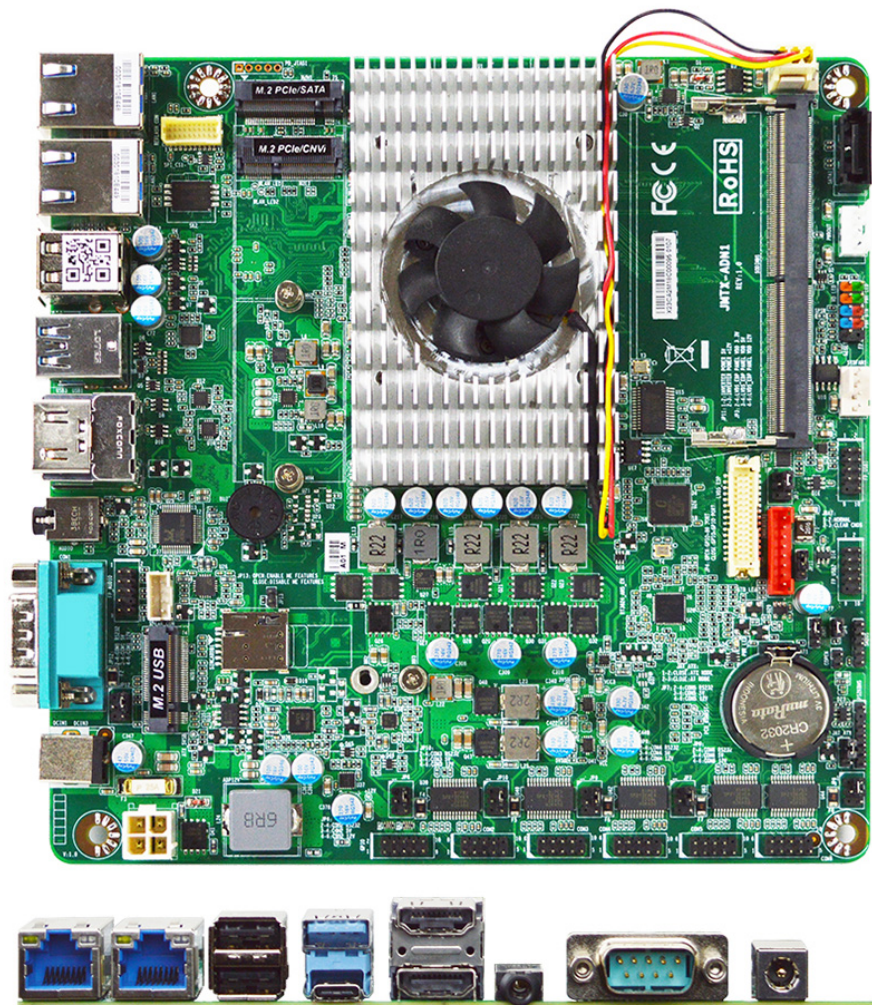




349.00 EUR  
incl. 19% VAT, plus [shipping](#)

- 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 |

## POWER

|                   |                                  |
|-------------------|----------------------------------|
| POWER REQUIREMENT | DC 12~28V                        |
| POWER SUPPLY TYPE | AT/ATX Mode                      |
| CONNECTOR         | DC Jack Connector<br>4pin 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 | 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                                                          |

## AUDIO

|                 |                             |
|-----------------|-----------------------------|
| CODEC           | Realtek ALC897 with 3W Amp. |
| AUDIO INTERFACE | Combo Line-out/MIC          |
| SPEAKER         | 1 x Speaker Connector       |

## EXTERNAL I/O

|             |                                                                               |
|-------------|-------------------------------------------------------------------------------|
| 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)                                   |

## INTERNAL I/O

|             |                                                                   |
|-------------|-------------------------------------------------------------------|
| 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                                                          |

## STORAGE

|      |                                       |
|------|---------------------------------------|
| 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)                                |

## EXPANSION

|        |                                                                                                                |
|--------|----------------------------------------------------------------------------------------------------------------|
| 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 | —                                                                                                              |

## 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                         |