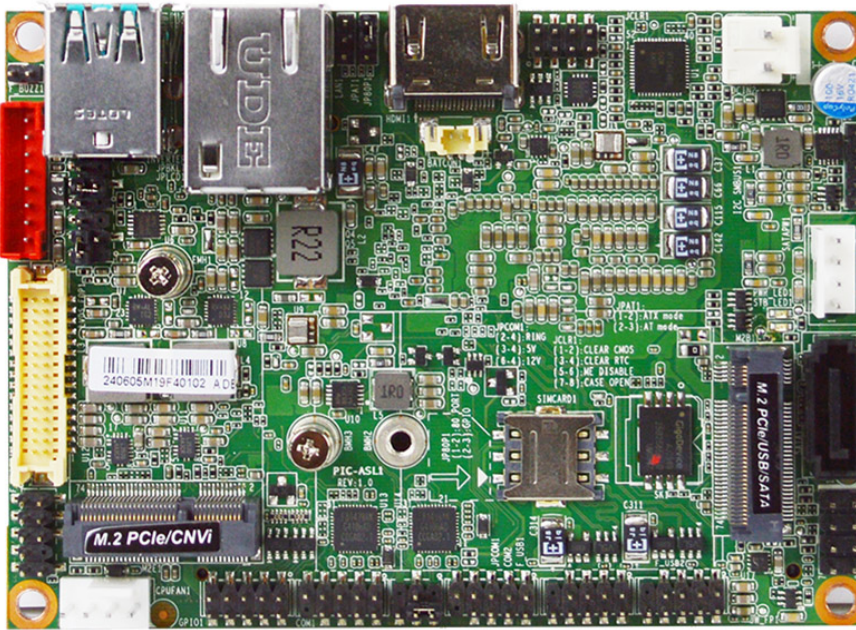
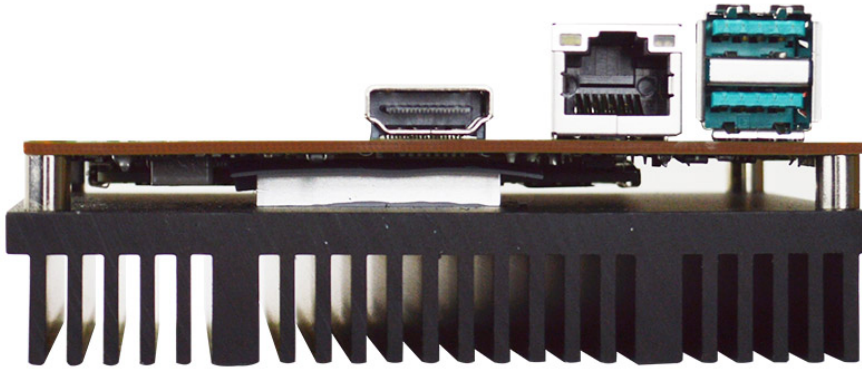


389.00 EUR

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



- Intel ATOM X !
- Dual Display !
- -20 - 60°C !
- pico-ITX !



- Powered by Intel® x7213RE/x7433RE Processor (Formerly Amston Lake)
- High-Performance Memory: Supports DDR5 SO-DIMM, up to 32GB
- Dual Display Support: 1 x HDMI for 4K display and 1 x LVDS Co-lay with eDP
- Storage & Expansion: 1 x SATA III, 1 x M.2 E-Key, 1 x B+M Key paired with 1 x Nano SIM Slot
- Comprehensive I/O: 2 x USB 3.2 Gen2, 4 x USB 2.0, 2 x RS-232/422/485
- Enhanced Security: Supports Intel fTPM
- Wide Operating Temperature: from -20 ~ 60°C for different Industriail application

MB FORM FACTOR

Pico-ITX

CPU

Onboard Intel Atom® x7213RE Processor (Formerly Amston Lake, TDP 9W)

Onboard Intel Atom® x7433RE Processor (Formerly Amston Lake, TDP 9W)

For additional compatible CPUs, please contact regional sales

CHIPSET

Intel® SoC

MEMORY

1 x DDR5 4800MHz, Single Channel SO-DIMM, up to 32GB

BIOS

UEFI

WAKE ON LAN

Yes

WATCHDOG TIMER

255 Levels

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| SECURITY                    | Intel® PTT (Integrated fTPM)                                                                                                |
| RTC BATTERY                 | Lithium Battery                                                                                                             |
| DIMENSION (W X D)           | 100.0 (W) x 72.0 (D) mm (3.9" x 2.8")                                                                                       |
| OS SUPPORT                  | Windows® 11 (64bit)<br>Windows® 10 (64bit)<br>Linux                                                                         |
| POWER                       |                                                                                                                             |
| POWER REQUIREMENT           | DC-in 12V                                                                                                                   |
| POWER ON MODE               | AT / ATX (Default) Mode                                                                                                     |
| CONNECTOR                   | Internal 2-pin Header                                                                                                       |
| DISPLAY                     |                                                                                                                             |
| GPU                         | Intel® UHD Graphics                                                                                                         |
| LVDS                        | 1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1080 @60Hz / Co-Lay eDP)                                              |
| HDMI                        | 1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)                                                                            |
| MULTIPLE DISPLAY            | Support 2 Displays                                                                                                          |
| AUDIO                       |                                                                                                                             |
| CODEC                       | Realtek Audio Codec                                                                                                         |
| Line-out                    | Internal Header for Line-Out                                                                                                |
| MIC-in                      | Internal Header for MIC-In                                                                                                  |
| LAN                         |                                                                                                                             |
| ETHERNET                    | 1 x RJ45 for Realtek® RTL8111H GbE                                                                                          |
| USB PORT                    |                                                                                                                             |
| USB                         | 2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)<br>Internal Header for 4 x USB 2.0                                     |
| SERIAL PORT                 |                                                                                                                             |
| COM                         | Internal Header for 2 x RS-232/422/485                                                                                      |
| INTERNAL I/O                |                                                                                                                             |
| GPIO                        | 8-Bit                                                                                                                       |
| SMBUS                       | Yes                                                                                                                         |
| FAN                         | 1 x 4-pin Connector for CPU Fan (PWM Mode)<br>HDD Active LED<br>Power LED<br>Power On/Off<br>Reset                          |
| FRONT PANEL                 | 1 x Chassis intrusion<br>1 x AT/ATX Mode Selection                                                                          |
| ADDITIONAL                  |                                                                                                                             |
| STORAGE                     |                                                                                                                             |
| SATA                        | 1 x SATA III<br>1 x SATA Power Connector                                                                                    |
| EXPANSION                   |                                                                                                                             |
| M.2                         | 1 x B+M-Key 2242/3042/3052 (USB 3.2/SATA III/PCIe 3.0 x2)<br>1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1)<br>1 x Nano SIM Card Slot |
| SIM                         |                                                                                                                             |
| ENVIRONMENT & CERTIFICATION |                                                                                                                             |
| SHOCK                       | 15G, 11ms duration                                                                                                          |
| VIBRATION                   | 1 Grms/ 5~ 500Hz/ Operation                                                                                                 |
| OPERATING TEMPERATURE       | -20°C ~ 60°C (-4°F ~ 140°F)                                                                                                 |
| STORAGE TEMPERATURE         | -20°C ~ 85°C (-4°F ~ 185°F)                                                                                                 |
| OPERATING HUMIDITY          | 10 ~ 90% relative humidity, non-condensing                                                                                  |
| CERTIFICATION               | CE/FCC Class A<br>LVD<br>EU RoHS<br>China RoHS                                                                              |
| ESG DECLARATION             |                                                                                                                             |