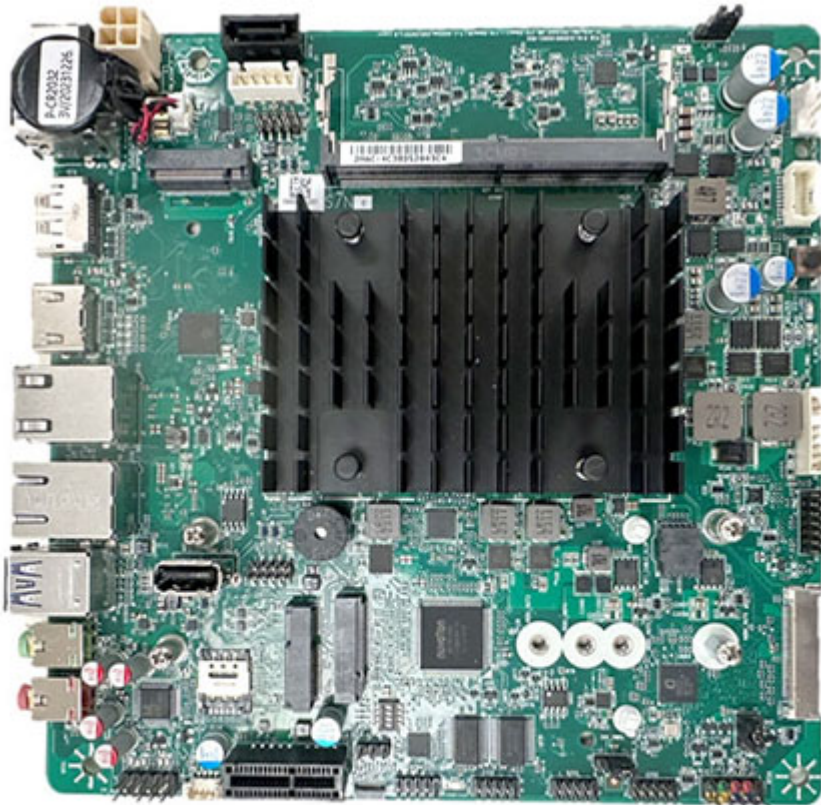


279.00 EUR

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

- Intel Alder Lake !
- Dual INTEL LAN !
- Multi expansion Slot !
- 8-24VDC !



- Intel® Alder Lake N ATOM/Core i3 BGA Processor (TDP up to 12W)
- Support 1 x DDR5 SO-DIMM (Up to 16GB)
- Compatible with M.2 3042/3052 + SIM slot for 5G cellular network connectivity
- Support Triple Display for HDMI, DisplayPort, and LVDS/eDP
- Support 1 x PCIe X1 (Gen 3) slot, 1 x M.2 2280 M-Key(SATA), 1x M.2 2280/2242 B-Key (SATA, PCIe X1), 1 x M.2 2230 E-Key, 1 x SATA III.
- 1x USB3.2 Gen2, 3x USB3.2 Gen1, 4 x USB2.0, 1 x USB2.0 Vertical Type A, 4 x COM and 1 MiAPI (configurable digital I/O)
- 8V~24V wide voltage power input

MECHANICAL

FORM FACTOR

Mini-ITX: 6.7" x 6.7" (170 mm x 170 mm)

| | | |
|----------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | PROCESSOR | Intel® Alder Lake N N50, Core i3-N305, and Atom x7425E Processor |
| | CHIPSET | Intel® SoC Integrated |
| | SYSTEM MEMORY | 1 x 260-pin SO-DIMM / DDR5 4800 MHz / Max. 16GB (Non-ECC) |
| | GRAPHICS | Intel® HD Graphics |
| | ETHERNET | 2 x Intel® I226-V 2.5 Giga LAN |
| | AUDIO | Realtek® ALC888S |
| | I/O CHIPSET | Nuvoton NCT6126D(eSPI) |
| | TPM | Nuvoton NPCT750AABYX TPM2.0 (Optional) - i3-N305 & x7425E: PCIe 3.0 x1 slot /M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB3.1 Gen 1, USB2.0, SATAIII, PCIe1) with nano SIM slot /M.2 2280 M key(SATAIII)*Not support M.2 M Key NVMe SSD /M.2 2230 E key (PCIex1, USB2.0)*Support CNVi. |
| SYSTEM | EXPANSION SLOT | / - N50: PCIe 3.0 x1 slot /M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB2.0, SATAIII, PCIe1) with nano SIM slot *Not support M.2 M Key NVMe SSD /M.2 2230 E key (PCIex1, USB2.0)*Support CNVi. |
| | BIOS | AMI BIOS |
| | H/W MONITOR | Temperature Monitor / Voltage Monitor / Fan Monitor |
| | WATCHDOG TIMER | 1~255 steps by software program |
| | SMART FAN CONTROL | CPU Fan |
| | VGA | - |
| | DVI | - |
| GRAPHICS | HDMI | Up to 4K (4096 x 2160) @60 Hz |
| | DISPLAYPORT | Up to 4K (4096 x 2160) @60 Hz |
| | LVDS | Up to 1920 x 1200 @60 Hz |
| | eDP (Option) | Up to 4K (4096 x 2160) @60 Hz - i3-N305 & x7425E: 1x USB 3.2 Gen2, 3x USB 3.2 Gen1 |
| | USB | - N50: 1x USB 3.2 Gen2, 1x USB 3.2 Gen1, 2x USB 2.0 |
| REAR I/O | DISPLAY I/O | 1 x HDMI 1.4 / 1 x DisplayPort 1.4b |
| | AUDIO I/O | 1 x Mic-in / 1 x Line-out |
| | LAN I/O | 2 x RJ-45 |
| | SERIAL PORT | - |
| | PS/2 PORT | - |
| | OTHERS | DC-in Jack 8-24V (2.5 mm / ID, 5.5 mm / OD) |

| | | |
|---------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | STORAGE | 1 x SATA power header / 1 x SATAIII (Multiplexed with M.2 Key) |
| | USB | I3-N305 & 7425E: 4 x USB 2.0 / 1 x USB2.0 Vertical Type A N50: 2 x USB 2.0 |
| | DISPLAY I/O | 1 x Backlight Connector / 1 x LVDS / 1 x eDP(optional) |
| | AUDIO I/O | 1 x Stereo Speaker Header / 1 x Audio Header (Front Panel Mic-in & Line-out) |
| INTERNAL CONNECTORS | SERIAL PORT | - i3-N305 & x7425E: 1 x RS232/RS422/485 / 3 x RS232 - N50: 3 x RS232 |
| | PARALLEL PORT | 1 x MiAPI Header |
| | GPIO | - |
| | FAN | 1 x 4-pin System Fan Header |
| | POWER | 1 x AT / ATX Mode Select Jumper / 1 x 4-pin ATX Power Connector 1 x CMOS Jumper / 1 x Chassis Front Panel Header (2 x 5-pin) / 1 x Front Audio Header (Mic-in & Line-out) |
| | OTHERS | / 1 x Buzzer / 1 x Panel power select header (default 3.3V, option to 5V, 12V) |
| POWER REQUIREMENT | POWER INPUT | DC-in 8~24V (2.5 mm / ID, 5.5 mm / OD) / ATX 4-pin |
| | OPERATING TEMPERATURE | 0 ~ 60°C (32 ~140°F) |
| ENVIRONMENTAL | STORAGE TEMPERATURE | -40 ~ 85°C (-40 ~185°F) |
| | OPERATING HUMIDITY | 10% ~ 95% R/H (Non-condensing) |
| | CERTIFICATION | CE / FCC Class B |
| OS | OS SUPPORT | Linux (support by request) / Ubuntu 20.04 / Windows® 10 64-bit / Windows® 11 64bit, 1 x 50 cm SATA Cable / 2 x I/O Bracket (Half and Full Height) / 1 x Quick Installation Guide / 1 x 54 cm SATA Power Cable / 1 x Motherboard |
| PACKING LIST | PACKAGE | |