



649.00 EUR

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

- Intel N150 4 Core !
- 8GB RAM / 128GB eMMC !
- 2x LAN !
- 1x COM !

- Intel® Twin Lake N150 (4C) Processor
- 1 x LPDDR5-4800 (8GB)
- 1 x eMMC (128GB)
- 2 x Realtek RTL8111H-CG 1 GbE
- 1 x M.2 B Key, 1x Nano SIM, 1 x M.2 E Key slot
- 3 x USB 3.2 Gen2 and 1 x USB Type C
- 1 x HMDI, 1 x COM port
- 1 x TPM 2.0
- 8V~26V wide voltage power input

|                   |                        |                                                                                                                                                      |
|-------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM            | PROCESSOR              | Intel® Twin Lake N150(4C) Processor                                                                                                                  |
|                   | CHIPSET                | Intel® SoC Integrated                                                                                                                                |
|                   | SYSTEM MEMORY          | Industrial grade LPDDR5 4800MHz onboard type (8GB), 8533MB/s                                                                                         |
|                   | GRAPHICS               | Intel® UHD Graphics                                                                                                                                  |
|                   | STORAGE                | 1 x Industrial grade eMMC (128GB), 400MB/s                                                                                                           |
|                   | DISPLAY INTERFACE      | USB type C (DP 1.2) / HDMI 1.4                                                                                                                       |
|                   | ETHERNET               | 2 x Realtek RTL8111H-CG 1GbE, Option: 1x supports 802.3af and 802.3at PoE LAN(PD-Max: 25.5W, PSE-Max: 35W)                                           |
|                   | I/O CHIPSET            | Nuvoton NCT5225D                                                                                                                                     |
|                   | TPM                    | Nuvoton NPCT760AABYX TPM2.0                                                                                                                          |
|                   | FRONT I/O              | 3 x USB 3.2 Gen2 / 1 x USB 3.2 type C (Support display(5V/3A) and audio) / 2x RJ45 (1x POE option for PD mode or PSE mode) / 1 x HDMI 1.4 (Vertical) |
| POWER REQUIREMENT | LEFT SIDE I/O          | 1 x Power button / 1 x Terminal block 2pin with locked / 1x 5Px2 NP9 header as RS232/422/485                                                         |
|                   | REAR SIDE I/O          | 1x SIM slot hole for Nano SIM card / 2 x DIN rail hole                                                                                               |
|                   | EXPANSION SLOT         | M.2 2242 / 3042 B key ( USB2.0, SATAIII, PCIe1) with nano SIM slot /M.2 2230 E key (PCIex1, USB2.0)                                                  |
|                   | WATCHDOG TIMER         | 1~255 steps by software program                                                                                                                      |
|                   | POWER INPUT            | DC-in 8~26V (Default ATX mode, AT/ATX adjusting by BIOS)                                                                                             |
| MECHANICAL        | POWER ADAPTER          | Optional DC12V / 5A / AC / DC / 60W adapter (For AC SKU)                                                                                             |
|                   | ANTENNA                | 4 x SMA Antenna (Optional for WiFi / LTE function)                                                                                                   |
|                   | THERMAL DESIGN         | Fanless                                                                                                                                              |
|                   | MOUNTING               | Din Rail Mount, VESA Mount (75 x 75mm) for option                                                                                                    |
|                   | DIMENSIONS (W X D X H) | 118.5 x 80.4 x 39.5mm                                                                                                                                |
|                   | MATERIAL               | Enclosure: Die Casting                                                                                                                               |

|               |                       |                                                                                                                                                                                                                        |
|---------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ENVIRONMENTAL | OPERATING TEMPERATURE | -25 ~ 55°C with 0.7m/s Air Flow<br>(w/ Wide Temp. SSD/RAM)                                                                                                                                                             |
|               | STORAGE TEMPERATURE   | -40 ~ 85°C (-40 ~185°F)                                                                                                                                                                                                |
|               | OPERATING HUMIDITY    | 10% ~ 95% R/H<br>(Non-condensing)                                                                                                                                                                                      |
|               | VIBRATION RESISTANCE  | Operating: 5Hz~500Hz / 2Grms /<br>3Axis (w/ SSD, according to<br>IEC60068-2-64)                                                                                                                                        |
|               | SHOCK RESISTANCE      | Operating: 50 Grms, Half-sine 11<br>ms Duration (w/ SSD, according<br>to IEC60068-2-27)                                                                                                                                |
| OS            | CERTIFICATION         | CE / FCC Class B                                                                                                                                                                                                       |
|               | OS SUPPORT            | Windows® 11 64-bit / Windows®<br>10 64-bit / Ubuntu 24.04 / Linux<br>(support by request)                                                                                                                              |
| PACKING LIST  | PACKAGE               | 1 x Quick Installation Guide / 1 x<br>Embedded System / 1 x Screws<br>kit / 1 x 2 pin Terminal Block Male<br>Connector / 1 x DIN-Rail Mount<br>Bracket / 1x VESA Mount Bracket<br>(BOM option) / 1 x COM port<br>cable |