



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

- Intel® Elkhart Lake !
- Fanless !
- 2x LAN !
- 2-6x RS232/422/485 !



- Intel® Elkhart Lake ATOM/Celeron/Pentium BGA Processor (TDP up to 12W)
- Support 2 x DDR4 SO-DIMM (Up to 32GB)
- Compatible with M.2 3042/3052 + SIM slot for 5G cellular network connectivity
- Support Dual Display for HDMI, DisplayPort
- 4 x USB2.0, 2 x USB3.1 Gen2, 2 x COM (Max. 6 x COM by Option)
- 8~24V wide range DC input

CPU

11th Gen Intel® Elkhart Lake Celeron J6413 / Option: Pentium N6415, Celeron N6211, Celeron N6210, and Atom x6413E (Up to 12W)

CHIPSET

Intel® SoC Integrated

SYSTEM MEMORY

DDR4 3200 MHz  
/ 2 x 260-pin SO-DIMM  
/ Max. 32GB (Non-ECC)

GRAPHICS

Intel® HD Graphics

DISPLAY INTERFACE

DisplayPort 1.4 / HDMI 1.4

|                        |  |
|------------------------|--|
| STORAGE SLOT           | 1 x 2.5 HDD / SSD (Default w/ HDD Bracket, SATA, and SATA Power Cable in Accessories) / 1 x M.2 B Key 2280/2260/2242 Slot / *M.2 and mSATA are multiplex with SATA ports / 1 x mSATA   |
| ETHERNET               | 2 x Intel® I211-AT Giga LAN  |
| AUDIO                  | Realtek® ALC888S   |
| I/O CHIPSET            | Nuvoton NCT6126D(eSPI)   |
| TPM                    | TPM Header / (support optional TPM module board NPCT750)   |
| EXPANSION SLOT         | 1 x Mini PCIe Full size (USB2.0 / SATAIII / PCIeX1)<br>/ 1 x NanoSIM slot to M.2 B Key slot<br>/ 1 x M.2 2230 E key (PCIeX1, USB 2.0)<br>/ Storage/LTE/5G Slot: 1 x M.2 2280/2260/2242/3042/3052 B Key (USB2.0/*PCIeX1/SATAIII) *Not support M.2 M Key NVMe SSD<br>/ **5G card support is by BOM option. Please check with sales about the M.2 B Key 3052 5G card spec if you have any request |
| INDICATOR              | Power LED / HDD LED  |
| FRONT I/O              | Default 2 X RS232 / Option 6 COM ports ( 5 X RS232 + 1 X RS232/422/485)<br>2 x USB3.2 Gen2<br>/ 2 x I211-AT Giga LAN<br>/ 1 x DisplayPort 1.4<br>/ 1 x HDMI 1.4  |
| REAR I/O               | / 2 x USB 2.0<br>/ 1 x Mic-in<br>/ 1 x Line-out<br>/ 4 x SMA Antenna (Optional for WiFi/LTE function)  |
| POWER INPUT            | 8~24V Wide Range DC-in Jack Connectivity   |
| POWER ADAPTER          | AC to DC / DC19V / 3.4A / 65W adapter  |
| THERMAL DESIGN         | Fanless  |
| MOUNTING               | Wallmount  |
| DIMENSIONS (W X D X H) | 209mm x 209mm x 68mm   |
| WEIGHT                 | 2.7 kg   |
| MATERIAL               | Cold rolled steel and extruded aluminum front panel  |
| OPERATING TEMPERATURE  | -20°C ~ 60°C (4 ~ 140°F)   |
| STORAGE TEMPERATURE    | -40 ~ 85°C (-40 ~185°F)  |
| OPERATING HUMIDITY     | 10% ~ 95% R/H (Non-condensing)   |
| VIBRATION RESISTANCE   | 5Hz~500Hz / 2Grms / 3Axis (Non-operating)  |
| SHOCK RESISTANCE       | 120G, 2ms Duration (Non-operating)   |
| CERTIFICATION          | CE / FCC Class A   |
| OS SUPPORT             | Ubuntu 20.04 / Windows® 10 IoT 64bit (2019 LTSC / 2021 LTSC) / Kernel 5.10 or lower  |
| PACKAGE                | 1 x Embedded System / US + EU Power Cord / 1 x Power Adapter (19V, 65W, DC Jack Type) / 1 x 18 cm SATA Cable / 1 x 18 cm SATA Power Cable / 1 x M.2 3052/2260 adapter plate  |