



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) / 1 x NanoSIM slot to M.2 B Key slot / 1 x M.2 2230 E key (PCIeX1, USB 2.0) / 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 / **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) 2 x USB3.2 Gen2 / 2 x I211-AT Giga LAN / 1 x DisplayPort 1.4 / 1 x HDMI 1.4 |
| REAR I/O | / 2 x USB 2.0 / 1 x Mic-in / 1 x Line-out / 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 |