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)
REAR I/O	2 x USB3.2 Gen2 / 2 x I211-AT Giga LAN / 1 x DisplayPort 1.4 / 1 x HDMI 1.4 / 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