



329.00 EUR

incl. 19% VAT, plus shipping

- **Intel Alder Lake-N !**
- **SoC-N97 !**
- **6* USB, 2x RS232 !**
- **MiniITX !**

- 1 x DDR5 SODIMM Slot, up to 32GB
- Three Independent Display: 1 x HDMI 2.0b, 1 x VGA, 1 x LVDS/eDP
- 2 x 1GbE
- 2 x USB3.2 Gen1, 7 x USB2.0
- 1 x M.2 2242/2280 M-key, 1 x M.2 2230 E-key, 1 x M.2 3042/3052 B-key
- 1 x PCI, 1 x SATAIII
- ATX Power

SYSTEM

FORM FACTOR

Mini-ITX

CPU

Onboard Intel® Processor N-series Processors (formerly Alder Lake-N)
Intel® Processor N97
*For additional compatible CPUs, please contact regional sales

CPU TDP	12W
CHIPSET	Integrated with Intel® SoC
MEMORY TYPE	1 x DDR5 4800MHz, Single Channel SODIMM, up to 32GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
RTC BATTERY	Lithium Battery 3V/200mAh
DIMENSION (L X W)	170mm x 170mm (6.7" x 6.7")
OS SUPPORT	Windows® 10 (64bit), Windows® 11 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX
POWER SUPPLY TYPE	AT/ATX
CONNECTOR	24pin Header
DISPLAY	
CONTORLLER	Intel® UHD Graphics
LVDS/eDP/MIPI-DSI	1 x 24 Bit Dual Channel LVDS, up to 1920 x 1080 @60Hz, co-lay eDP

DISPLAY INTERFACE	1 x HDMI 2.0b, up to 4K x 2K @60Hz 1 x VGA, up to 1920 x 1080 @60Hz
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek ALC897 with 3W Amp.
AUDIO INTERFACE	1 x Line-in 1 x Line-out 1 x MIC
SPEAKER	1 x Internal Speaker Connector with 3W Apm.
EXTERNAL I/O	
ETHERNET	2 x Realtek® RTL8111H GbE
USB	2 x USB3.2 Gen 1 4 x USB2.0
SERIAL PORT	2 x RS232/422/485 (COM1 support 5V/12V selectable)
VIDEO	1 x HDMI 2.0b 1 x VGA
INTERNAL I/O	
USB	3 x USB2.0
SERIAL PORT	4 x RS232 (COM3 support 5V/12V selectable)
VIDEO	1 x 24 Bit Dual Channel LVDS, up to 1920 x 1080 @60Hz, co-lay eDP
AUDIO	1 x Speaker Connector

GPIO	8-Bit
SMBUS	Yes
I2C	Yes
FAN	1 x CPU Fan, 1 x System Fan
SIM	1 x SIM Card
FRONT PANEL	HDD LED PWR LED Power Button Reset
OTHERS	1 x Chasis Intrusion, 1 x Buzzer onboard
STORAGE	
SATA	1 x SATAIII
MINI PCI-E/MSATA	—
M.2	1 x M-Key 2242/2280 (SATAIII/PCIe 3.0 x1) support NVMe
eMMC	eMMC 64GB (optional)
EXPANSION	
M.2	1 x E-key 2230 (USB2.0/PCIe 3.0 x1) support CNVi 1 x B-key 3042/3052 (USB3.2 Gen1/ USB2.0) for 4G/5G module
OTHERS	1 x PCI
ENVIRONMENT & CERTIFICATION	
OPERATING TEMPERATURE	-20°C ~ 60°C (32°F ~ 140°F)

STORAGE TEMPERATURE	-20°C ~ 85°C (-4°F ~ 185°F)
OPERATING HUMIDITY	10% ~ 90% relative humidity, non-condensing
CERTIFICATION	Meet CE/FCC Class A