



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

- Intel Alder Lake !
- H610 Chipset !
- 12V DC-in !

Long-term availability until at least 2030.

- Intel® Alder Lake 12th i9/i7/i5/i3 LGA 65W processor
- Available with Intel® H610 / Q670 Chipset
- Intel® vPro technology support (only Q670)
- 2x DDR4 SO-DIMM up to 64GB
- Support dual display for 2x DisplayPort
- 1x M.2 2280M-key (NVME & SATA), 1 x PCIe X16 Gen 4
- 1 x Intel® 2.5Gigabit Ethernet, 1 x Intel® Gigabit Ethernet
- DC-in 12V

FORM FACTOR

Mini-ITX: 6.7" x 6.7" (170 mm x 170 mm)

PROCESSOR

12th Gen Intel® Alder Lake LGA1700 Socket Processor / Core i9/i7/i5/i3 Processor / TDP 65W

CHIPSET

Intel® H610

SYSTEM MEMORY

DDR4 3200 MHz  
/ 2 x 260-pin SO-DIMM  
/ Max. 64 GB (Non-ECC)

GRAPHICS

Intel® UHD Graphics

ETHERNET

Intel® I219-LM Giga LAN + Intel® I225V 2.5 Giga LAN

AUDIO

-

I/O CHIPSET

Nuvoton NCT6126D(eSPI)

TPM

TPM Header / (support optional TPM module board NPCT750)

|                       |  |
|-----------------------|--|
| EXPANSION SLOT        | PCIe 4.0 X16 slot / 1x M.2 2280 M key (PCIe3.0 X4, SATAIII)  |
| BIOS                  | -  |
| H/W MONITOR           | Temperature Monitor / Voltage Monitor / Fan Monitor  |
| WATCHDOG TIMER        | 1~255 steps by software program  |
| SMART FAN CONTROL     | CPU Fan / System Fan   |
| 2nd DISPLAYPORT       | Up to 4K (4096 x 2304) @60 Hz  |
| VGA                   | -  |
| DVI                   | -  |
| HDMI                  | -  |
| DISPLAYPORT           | Up to 4K (4096 x 2304) @60 Hz  |
| LVDS                  | -  |
| eDP (Option)          | -  |
| USB                   | 2 x USB 2.0<br>/ 2 x USB 3.2 Gen 2   |
| DISPLAY I/O           | 2 x DisplayPort 1.4  |
| AUDIO I/O             | 1 x Mic-in<br>/ 1 x Line-out   |
| LAN I/O               | 2 x RJ-45  |
| SERIAL PORT           | -  |
| PS/2 PORT             | -  |
| OTHERS                | DC-in 12V (2.5 mm / ID, 5.5 mm / OD)   |
| STORAGE               | 2 x SATAIII / 1 x SATA power header / 1 x SATA DOM header<br>2 x USB 3.2 Gen1  |
| USB                   | / 2 x USB 2.0  |
| DISPLAY I/O           | -  |
| AUDIO I/O             | -  |
| SERIAL PORT           | 1 x RS232 / 1 x RS232 / 422 / 485  |
| PARALLEL PORT         | -  |
| GPIO                  | -  |
| FAN                   | 1 x 4-pin CPU Fan Header / 1 x 4-pin System Fan Header<br>1x 12V DC in Jack (same as S5557; 2.5mm/ ID, 5.5mm/ OD), / 1 x |
| POWER                 | ATX-4pin Connector   |
| OTHERS                | 1 x CMOS Jumper<br>/ 1 x FIO header<br>/ 1 x intrusion switch header   |
| POWER INPUT           | DC-in 12V (2.5 mm / ID, 5.5 mm / OD) / ATX 4-pin 12V   |
| OPERATING TEMPERATURE | 0 ~ 60°C (32 ~140°F)   |
| STORAGE TEMPERATURE   | -40 ~ 85°C (-40 ~185°F)  |
| OPERATING HUMIDITY    | 10% ~ 95% R/H (Non-condensing)   |
| CERTIFICATION         | CE / FCC Class B   |
| OS SUPPORT            | Windows® 11 64bit, / Windows® 10 IoT LTSC 64bit (LTSC 2021) /<br>Ubuntu 22.04 / Linux (support by request)               |
| PACKAGE               | 1 x Motherboard / 2 x I/O Bracket (Half and Full Height) / 1 x SATA<br>& SATA PWR Cable                                  |