



209.95 EUR

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

- Intel H410 Chipset !
- up to i7 35W and i5 65W LGA !
- up to 32GB DDR4 SO-DIMM !
- Support Dual display !

- Up to Intel® Comet Lake 10th i7 35W & i5 65W LGA processor
- Intel® H410 Chipset
- 2 x DDR4 SO-DIMM up to 32GB
- Support Dual display for HDMI, DisplayPort and LVDS/eDP
- 1 x M.2 M 2280, 1 x M.2 E 2230, 1 x PCIe X4 and 1 x mPCIe Full size
- 2 x Intel® Gigabit Ethernet
- DC-in 12V

|            |                   |                                                                                                                           |
|------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| MECHANICAL | FORM FACTOR       | Mini-ITX: 6.7" x 6.7" (170 mm x 170 mm)                                                                                   |
|            | PROCESSOR         | 10th Gen Intel® Comet Lake LGA1200 Socket Processor / 10core TDP Max 35W / 8ccore TDP 65W                                 |
| SYSTEM     | CHIPSET           | Intel® H410                                                                                                               |
|            | SYSTEM MEMORY     | DDR4 2933/2666/2400MHz / 2 x 260-pin SO-DIMM / Max. 64 GB (Non-ECC)                                                       |
|            | GRAPHICS          | Intel® HD Graphics                                                                                                        |
|            | ETHERNET          | Intel® I219-LM Giga LAN + Intel® I211-AT Giga LAN                                                                         |
|            | AUDIO             | Realtek® ALC662 / ALC888                                                                                                  |
|            | I/O CHIPSET       | Nuvoton NCT6126D(eSPI)                                                                                                    |
|            | TPM               | TPM Header / (support TPM module board NPCT750)                                                                           |
|            | EXPANSION SLOT    | Mini PCIe Full size (SATA / USB) / PCIe 3.0 X4 slot / M.2 2230 E key (PCIe, USB 2.0) / M.2 2242 / 2280 M key (PCIe, SATA) |
|            | BIOS              | AMI BIOS / 128 Mbit SPI                                                                                                   |
|            | H/W MONITOR       | Temperature Monitor / Voltage Monitor / Fan Monitor                                                                       |
|            | WATCHDOG TIMER    | 1~255 steps by software program                                                                                           |
|            | SMART FAN CONTROL | CPU Fan / System Fan                                                                                                      |

|                     |                       |                                                                                                                                                                                               |
|---------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GRAPHICS            | 2nd DISPLAYPORT       | -                                                                                                                                                                                             |
|                     | VGA                   | -                                                                                                                                                                                             |
|                     | DVI                   | -                                                                                                                                                                                             |
|                     | HDMI                  | Up to 4K (4096 x 2160) @30 Hz                                                                                                                                                                 |
|                     | DISPLAYPORT           | Up to 4K (4096 x 2304) @60 Hz                                                                                                                                                                 |
|                     | LVDS                  | Up to 1920 x 1200 @60 Hz                                                                                                                                                                      |
|                     | eDP (Option)          | Up to 4K (4096 x 2304) @60 Hz                                                                                                                                                                 |
| REAR I/O            | USB                   | 4 x USB 3.2 Gen 1                                                                                                                                                                             |
|                     | DISPLAY I/O           | 1 x HDMI 1.4 / 1 x DisplayPort 1.2                                                                                                                                                            |
|                     | AUDIO I/O             | 1 x Mic-in / 1 x Line-out                                                                                                                                                                     |
|                     | LAN I/O               | 2 x RJ-45                                                                                                                                                                                     |
|                     | SERIAL PORT           | -                                                                                                                                                                                             |
|                     | PS/2 PORT             | -                                                                                                                                                                                             |
|                     | OTHERS                | DC-in 12V(DIN 4-pin power cable) / DC-in 19V (5.1 mm / ID, 7.4 mm / OD)                                                                                                                       |
| INTERNAL CONNECTORS | STORAGE               | 2 x SATAIII / 1 x SATA power header                                                                                                                                                           |
|                     | USB                   | 5 x USB2.0 (1 x USB share mPCIe)                                                                                                                                                              |
|                     | DISPLAY I/O           | 1 x LVDS (*Optional eDP SKU available) / 1 x Backlight Connector                                                                                                                              |
|                     | AUDIO I/O             | 1 x Stereo Speaker Header                                                                                                                                                                     |
|                     | SERIAL PORT           | 4 x RS232 (One supports RS232 / 422 / 485)                                                                                                                                                    |
|                     | PARALLEL PORT         | -                                                                                                                                                                                             |
|                     | GPIO                  | 1 x MiAPI Header (Programmable. Support 10-bit GPIO)                                                                                                                                          |
|                     | FAN                   | 1 x 4-pin CPU Fan Header / 1 x 4-pin System Fan Header                                                                                                                                        |
|                     | POWER                 | 1 x AT / ATX Mode Select Jumper / 1 x 4-pin ATX Power Connector                                                                                                                               |
|                     | OTHERS                | 1 x Chassis Intrusion / 1 x CMOS Jumper / 1 x Front Audio Header (Mic-in & Line-out) / 1 x panel power select header / 1 x backlight power select header, / 1x buzzer header / 1x Digital MIC |
| POWER REQUIREMENT   | POWER INPUT           | DC-in 12V(DIN 4-pin power cable)/ ATX 4-pin 12V                                                                                                                                               |
| ENVIRONMENTAL       | 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                  | OS SUPPORT            | Windows® 10 64-bit / Linux (support by request)                                                                                                                                               |
| PACKING LIST        | PACKAGE               | 1 x Motherboard / 2 x I/O Bracket (Half and Full Height) / 1 x Quick Installation Guide / 1 x SATA & SATA PWR Cable                                                                           |