



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

- Intel Q470 Chipset !
- Intel vPro tech support !
- Support triple display !
- ATX Powered !



- Up to Intel® Comet Lake 10th i9 35W & i5 95W LGA processor
- Intel® Q470 Chipset
- Intel® vPro technology support
- 2 x DDR4 SO-DIMM up to 32GB
- Support triple display for HDMI, DisplayPort and LVDS/eDP
- 1 x M.2 M 2280, 1 x M.2 E 2230, 1 x mPCIe Full size, 1 x PCIe X16
- 2 x Intel® Gigabit Ethernet
- ATX

MECHANICAL

FORM FACTOR

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

|                     |   |  |
|---------------------|---|--|
| SYSTEM              | PROCESSOR   | 10th Gen Intel® Comet Lake LGA1200<br>Socket Processor / 10core TDP Max 35W /<br>8ccore TDP 65W / (ATX support 6core 95W)                  |
|                     | CHIPSET   | Intel® Q470 (Support RAID 0 / 1 / 5, VPro) /<br>colay H420E  |
|                     | SYSTEM MEMORY   | DDR4 2933/2666/2400MHz / 2 x 260-pin<br>SO-DIMM / Max. 64 GB (Non-ECC)   |
|                     | GRAPHICS  | Intel® HD Graphics   |
|                     | ETHERNET  | Intel® I219-LM Giga LAN + Intel® I210-AT<br>Giga LAN   |
|                     | AUDIO   | Realtek® ALC662 / ALC888   |
|                     | I/O CHIPSET   | Nuvoton NCT6126D(eSPI)   |
|                     | TPM   | Nuvoton NPCT750AAAYX TPM2.0<br>(Optional)  |
|                     | EXPANSION SLOT  | 1 x M.2 2230 E key(PCIe / USB) / PCIe 3.0<br>X16 slot / M.2 2242 / 2280 M key (PCIe,<br>SATA) / Mini PCIe Full size (PCIe / USB /<br>SATA) |
|                     | BIOS  | AMI BIOS / 256 Mbit SPI  |
| H/W MONITOR         | Temperature Monitor / Voltage Monitor / Fan<br>Monitor              |  |
| WATCHDOG TIMER      | 1~255 steps by software program                                     |  |
| SMART FAN CONTROL   | CPU Fan / System Fan  |  |
| 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                                       |  |
| USB                 | 4 x USB 2.0 / 4 x USB 3.2 Gen 2 (Q470)                              |  |
| DISPLAY I/O         | 1 x HDMI 1.4 / 1 x DisplayPort 1.2                                  |  |
| AUDIO I/O           | 1 x Mic-in / 1 x Line-out / 1 x Line-in                             |  |
| LAN I/O             | 2 x RJ-45   |  |
| SERIAL PORT         | 2 x RS232 (one support RS422,/485)                                  |  |
| PS/2 PORT           | -   |  |
| OTHERS              | -   |  |
| STORAGE             | 2 x SATAIII   |  |
| USB                 | 1 x USB 3.0 / 2 x USB 2.0   |  |
| DISPLAY I/O         | 1 x LVDS (*Optional eDP SKU available) / 1<br>x Backlight Connector |  |
| AUDIO I/O           | -   |  |
| SERIAL PORT         | -   |  |
| PARALLEL PORT       | -   |  |
| INTERNAL CONNECTORS | GPIO  | 1 x MiAPI Header (Programmable. Support<br>10-bit GPIO)  |
| FAN                 | FAN   | 1 x 4-pin CPU Fan Header / 1 x 4-pin<br>System Fan Header  |
| POWER               | POWER   | 1 x ATX Power Connector / 1 x AT / ATX<br>Mode Select Jumper / ATX 12V Power<br>Connector (24-pin + 4-pin)                                 |
| OTHERS              | OTHERS  | 1 x CMOS Jumper / 1 x Front Audio Header<br>(Mic-in & Line-out) / 1 x panel power select<br>header / 1x buzzer header / 1 x SPDIF          |
| POWER REQUIREMENT   | POWER INPUT   | ATX 24-pin + 4-pin   |

|               |                       |   |
|---------------|-----------------------|---|
| 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 / 1 x 50 cm SATA Cable / 1 x Quick Installation Guide / 1 x I/O Bracket (Full Height) |