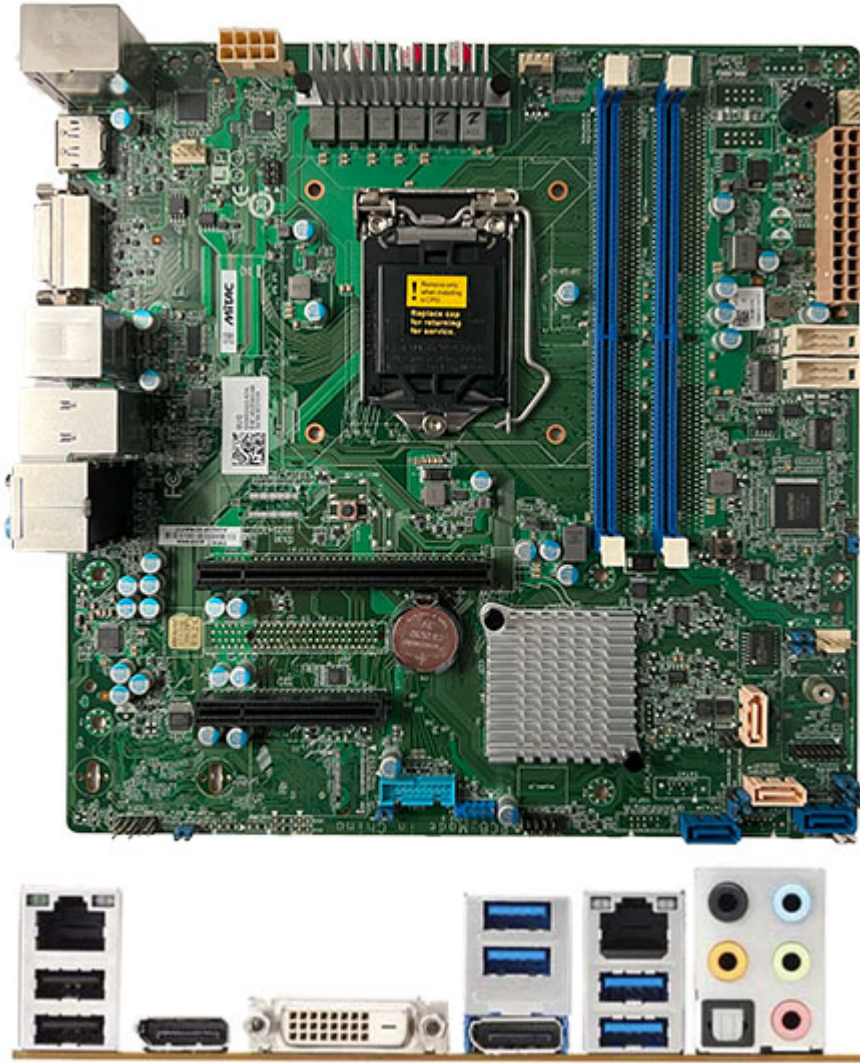




89.95 EUR  
incl. 19% VAT, plus [shipping](#)

Special item. New item. While stocks last.

- Intel® Coffee Lake Core i7/i5/i3/Pentium/Celeron LGA1151 processors
- Intel® Q370 / H310 Chipset
- Intel® vPro technology supported
- 2 x DDR4 DIMM, support up to 64GB
- Support triple display for 2 x DisplayPort and DVI
- Support PCIe X16 (Gen 3) slot, 2 x PCIe X4 (Gen 3) slot
- 4 x SATAIII (support RAID 0, 1, 5, 10 w/ Q370)
- 2 x Intel® Gigabit Ethernet
- 4 x USB 2.0, 2 x USB 3.0, 4 x USB3.1 (Gen 2), 4 x COM
- ATX power input

#### PH10FEU (PH10FEU) Specifications

MECHANICAL

FORM FACTOR

Micro-ATX: 9.6" x 9.6" (244 mm x 244 mm)

|          |                   |                                                                                                                         |
|----------|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| SYSTEM   | PROCESSOR         | 9th & 8th Gen Intel Coffee Lake LGA1151 Socket Processor, Core i7/i5/i3 6-core TDP Max. 95W, Core i9 8-core TDP Max 35W |
|          | CHIPSET           | Intel® Q370 (Support RAID 0 / 1 / 5 / 10) / Intel® H310                                                                 |
|          | SYSTEM MEMORY     | DDR4 2666MHz / 2 x 288-pin U-DIMM / Max. 64 GB (Non-ECC)                                                                |
|          | GRAPHICS          | Intel® HD Graphics                                                                                                      |
|          | ETHERNET          | Intel® I219-LM Giga LAN + Intel® I210-AT Giga LAN                                                                       |
|          | I/O CHIPSET       | Nuvoton NCT6683D                                                                                                        |
|          | AUDIO             | Realtek® ALC892                                                                                                         |
|          | TPM               | Nuvoton NPCT750AAAYX TPM2.0 (Optional)                                                                                  |
|          | EXPANSION SLOT    | PCIe 3.0 X16 slot / 2 x PCIe 2.0 X8 slot (X4 Lanes) for Q370 / PCIe 2.0 X8 slot (X4 Lanes) for H310                     |
|          | BIOS              | 256 Mbit SPI                                                                                                            |
| GRAPHICS | H/W MONITOR       | Temperature Monitor / Voltage Monitor / Fan Monitor                                                                     |
|          | WATCHDOG TIMER    | 1~255 steps by software program                                                                                         |
|          | SMART FAN CONTROL | CPU Fan / System Fan                                                                                                    |
|          | VGA               | -                                                                                                                       |
|          | DVI               | Up to 4K (4096 x 2160) @30 Hz                                                                                           |
|          | HDMI              | -                                                                                                                       |
|          | DISPLAYPORT       | Up to 4K (4096 x 2304) @60 Hz                                                                                           |
|          | LVDS              | -                                                                                                                       |
| REAR I/O | eDP (Option)      | -                                                                                                                       |
|          | USB               | 4 x USB 3.1 Gen 2 (Q370) / 2 x USB 2.0 (Q370) / 4 x USB 2.0 (H310) / 2 x USB 3.0 (H310)                                 |
|          | DISPLAY I/O       | 2 x DisplayPort 1.2 / 1 x DVI-D                                                                                         |
|          | AUDIO I/O         | 1 x 6-stack Audio Jack                                                                                                  |
|          | LAN I/O           | 2 x RJ-45                                                                                                               |
|          | SERIAL PORT       | -                                                                                                                       |
|          | PS/2 PORT         | -                                                                                                                       |
|          | OTHERS            | -                                                                                                                       |

|                     |                       |                                                                                                  |
|---------------------|-----------------------|--------------------------------------------------------------------------------------------------|
|                     | STORAGE               | 4 x SATAIII (H310)                                                                               |
|                     | USB                   | 2 x USB3.0 (Q370) / 2 x USB 2.0                                                                  |
|                     | DISPLAY I/O           | -                                                                                                |
|                     | AUDIO I/O             | -                                                                                                |
|                     | SERIAL PORT           | 4 x RS232                                                                                        |
|                     | PARALLEL PORT         | -                                                                                                |
|                     | GPIO                  | -                                                                                                |
| INTERNAL CONNECTORS | FAN                   | 1 x 4-pin CPU Fan Header / 1 x 4-pin System Fan Header                                           |
|                     |                       | 1 x 8-pin ATX Power Connector / 1 x 24-pin ATX Power Connector / 1 x AT / ATX Mode Select Jumper |
|                     | POWER                 | 1 x Chassis Intrusion / 1 x CMOS Jumper / 1 x Front Audio Header (Mic-in & Line-out)             |
|                     | OTHERS                |                                                                                                  |
| POWER REQUIREMENT   | POWER INPUT           | ATX 8-pin + ATX 24-pin                                                                           |
|                     | OPERATING TEMPERATURE | 0 ~ 60°C (32 ~140°F)                                                                             |
|                     | STORAGE TEMPERATURE   | -20 ~ 70°C (-4 ~158°F)                                                                           |
| ENVIRONMENTAL       | 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 I/O Bracket                                         |