

209.95 EUR

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



Support:  [Specifications](#) |  [MiAPI Interface](#)

- Support Intel Coffee lake processors
- Dual channel DDR4 260-pin SO-DIMM
- Intel® vPro business-grade technology support (with Q370 chipset)
- Dual high speed Gigabit Ethernet connection
- Two M.2 (NGFF) connector for expansion
- Features 4 SATA3 (6Gbps)
- Triple display connectivity by dual DP & HDMI
- Embedded LVDS connectivity
- Onboard 2/4 serial ports

#### Item

Form Factor

Processor

Chipset

#### Spec

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

CPU Type : Intel Coffee lake Processor

CPU Core : Dual Core / Quad Core / Hexa core

Socket : Socket LGA1151

TDP : Support up to 65W CPU types

Chipset Series : Intel® Q370 Chipset

|                                   |                                                                                                                            |   |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|---|
| Memory                            | Memory Type : DDR4 @ 1.2V, 2666 MHz (Unbuffered Non-ECC)                                                                   |   |
|                                   | Memory Channel: Dual Channel                                                                                               |   |
|                                   | Memory Capacity : Support total up to 32GB                                                                                 |   |
| Audio                             | ECC Support : No                                                                                                           |   |
|                                   | Memory Socket: 260-pin So-DIMM socket                                                                                      | 2 |
|                                   | Codec: HD audio codec, Realtek ALC662                                                                                      |   |
| Expansion Capability              | PCIe 3.0 x 16 slot                                                                                                         | 1 |
|                                   | M.2 (NGFF) M key 2242/2280 (PCIe / SATA) for storage                                                                       | 1 |
|                                   | M.2 (NGFF) E key 2230 (PCIe / USB) for wireless                                                                            | 1 |
| External I/O                      | HDMI out                                                                                                                   | 1 |
|                                   | DP out                                                                                                                     | 4 |
|                                   | USB 3.1 gen 2 (10 Gb/s)                                                                                                    | 4 |
|                                   | RJ-45                                                                                                                      | 2 |
|                                   | Line-Out                                                                                                                   | 1 |
|                                   | Mic-In                                                                                                                     | 1 |
|                                   | Line-In                                                                                                                    | 1 |
|                                   | 40PIN Header LVDS Connector                                                                                                | 1 |
|                                   | USB3.0 ports                                                                                                               | 2 |
|                                   | Front audio Header (Mic / HP)                                                                                              | 1 |
|                                   | DMIC Header                                                                                                                | 1 |
|                                   | Internal Speaker (support 2W)                                                                                              | 1 |
|                                   | USB 2.0 ports                                                                                                              | 2 |
|                                   | Serial port header (one configurable for RS232/422/485)                                                                    | 4 |
|                                   | MiAPI Programmable header (support GPIO x 10, SMBUS x 1, UART x 1, Watchdog x1 ) with API library supported for Windows OS | 1 |
|                                   | SATA 3.0 6 Gb/s (PCH Q series Support RAID 0, 1)                                                                           | 4 |
|                                   | Front Panel header                                                                                                         | 1 |
|                                   | LVDS inverter power header                                                                                                 | 1 |
|                                   | Clear CMOS header                                                                                                          | 1 |
|                                   | Panel power Header (default 5V, option to 12V, 3.3V)                                                                       | 1 |
|                                   | CPU fan header                                                                                                             | 1 |
|                                   | SYS fan header                                                                                                             | 1 |
| Security                          | Nuvoton NCT6116D                                                                                                           |   |
|                                   | Intel® vPro™ Technology support                                                                                            |   |
|                                   | TPM security by Nuvoton NPCT750AAAYX (optional)                                                                            |   |
| LAN Support                       | Intel® I219 Gigabit (10/100/1000 Mb/s) LAN                                                                                 |   |
|                                   | Intel® I211 Gigabit (10/100/1000 Mb/s) LAN                                                                                 |   |
|                                   | Support for Advanced Configuration and Power Interface (ACPI) setting                                                      |   |
| Instantly Available PC Technology | Suspend to RAM support                                                                                                     |   |
|                                   | Wake on PCI Express, LAN, front panel, serial, and USB ports                                                               |   |
|                                   | Hardware monitoring through the Nuvoton6104D legacy I/O controller, including:                                             |   |
| Hardware Monitor Subsystem        | Remote thermal sensor                                                                                                      |   |
|                                   | Speed control for 4-pin system fan header and 4-pin CPU fan header                                                         |   |
|                                   | ATX PWR Con (24+4 pin)                                                                                                     |   |
| Power Requirement                 | Operating Temperature: 0 °C to +60 °C                                                                                      |   |
|                                   | Storage Temperature: -20°C to +70°C                                                                                        |   |
|                                   | Windows 10 64bit, Linux (support by request)                                                                               |   |
| Environment                       |                                                                                                                            |   |
|                                   |                                                                                                                            |   |
|                                   |                                                                                                                            |   |
| OS Support                        |                                                                                                                            |   |
|                                   |                                                                                                                            |   |
|                                   |                                                                                                                            |   |

Safety

CE

FCC