



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<sup>®</sup> 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

**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

Chipset Series : Intel<sup>®</sup> Q370 Chipset

## Memory

Memory Type : DDR4 @ 1.2V, 2666 MHz (Unbuffered Non-ECC)  
Memory Channel: Dual Channel  
Memory Capacity : Support total up to 32GB  
ECC Support : No

Memory Socket: 260-pin So-DIMM socket 2

## Audio

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

## Internal I/O

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, 1 option to 12V, 3.3V)

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
BIOS	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 Monitor Subsystem	Hardware monitoring through the Nuvoton6104D legacy I/O controller, including: Remote thermal sensor Speed control for 4-pin system fan header and 4-pin CPU fan header
Power Requirement Environment	ATX PWR Con (24+4 pin) Operating Temperature: 0 °C to +60 °C Storage Temperature: -20°C to +70°C
OS Support	Windows 10 64bit, Linux (support by request)
Safety	CE FCC