

209.95 EUR  
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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 Type : DDR4 @ 1.2V, 2666 MHz (Unbuffered Non-ECC)	
	Memory Channel: Dual Channel	
Memory	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	
	PCIe 3.0 x 16 slot	1
Expansion Capability	M.2 (NGFF) M key 2242/2280 (PCIe / SATA) for storage	1
	M.2 (NGFF) E key 2230 (PCIe / USB) for wireless	1
	HDMI out	1
	DP out	4
External I/O	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
Internal I/O	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
	Nuvoton NCT6116D	
Security	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 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	
Power Requirement	ATX PWR Con (24+4 pin)	
Environment	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