



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



- Intel® Q170 Express Chipset
- Supports Intel LGA 1151 Socket Core™ i3, i5, i7 & Pentium Processors
- Support 4 * 288 pin 2133MHz Dual CH DDR4 SDRAM U-DIMM Max. up to 64GB
- Intel i219LM & i211AT Gigabit LAN
- Support Intel vPro, Active Management Technology (iAMT 11.0)
- Support TPM 2.0 function
- Support CPU Smart FAN
- Supports ACPI S3 Function
- Support Watch dog Technology
- ATX form factor ■ 305mm * 244mm ■

Form Factor	
Dimensions	- ATX form factor ■ 305mm * 244mm ■
Processor System	
CPU	- Intel LGA 1151 Socket Core™ i3, i5, i7 & Pentium Processors
Core Number	- (by CPU)
Max Speed	- (by CPU)
L2 Cache	- (by CPU)
Chipset	- Intel®Q170 Express chipset
BIOS	- AMI 128Mb SMT Flash ROM
Expansion Slot	
PCI	- 0
Mini-PCle	- 1 (full size)
mSATA	- 0

PCIe	- 6 [1 x16, 1 x8(shared with x16), 1 x4, 3 x1]
M.2	- 1 [PCIe x4 M-key, 2242/2260/2280/22110 shared with SATA1(ME FW option)]
CF Card Socket	- 0
Memory	
Technology	- 4 * DDR4 2133MHz Dual CH
Max.	- 64GB
Socket	- 4 * U-DIMM
Graphics	
Controller	- (by CPU)
VRAM	- Shared Memory
VGA	- 0
LVDS	- 0
HDMI 2.0	- 1 (Max. resolution 4096*2160@60Hz)
DVI-D	- 1 (Max. resolution 1920*1080)
DisplayPort 1.2	- 1 (Max. resolution 4096*2304@60Hz)
MultiDisplay	- Yes (Triple Display)
Ethernet	
Ethernet	- 10/100/1000 Mbps
Controller	- GbE LAN: Intel i219LM & i211AT
Connector	- 2 * RJ 45
SATA	
Max Data Transfer Rate	- 4 * SATAIII (6.0Gb/s), 1 * SATA Express Supports RAID 0/1/5/10
Rear I/O	
VGA	- 0
DVI-D	- 1
HDMI	- 1
DisplayPort	- 1
Ethernet	- 2
USB	- 6 (6 * USB 3.0)
Audio	- 1 (Line-in / MIC / Line-out)
Serial	- 1 (RS232/422/485 with 5V/12V selectable header)
eSATA	- 0
PS2	- 1
DC-input	- 0
Internal Connector	
USB	- 4 (4 * USB 2.0)
PS2	- 0
LVDS / inverter	- 0
VGA	- 0
Serial	- 9 (COM2 RS232/422/485, COM3~10 RS232 with 5V/12V selectable header)
SATA	- 4 * SATAIII (6.0Gb/s), 1 * SATA Express
mPCIe	- 1 (full size)
Parallel	- 0

M.2	- 1 [PCIe x4 M-key, 2242/2260/2280/22110 shared with SATA1(ME FW option)]
CIR	- 0
TPM Header	- 1
GPIO 8-bit	- 4in / 4 out
Chassis intrusion	- 1
Audio Header	- 1
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 0,1,2...255sec/min
Power Requirements	
Input PWR	- 24-pin/8-pin ATX PWR Con
Power On	AT/ATX Supported - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, RoHS, REACH
Environment	
Temperature	- Operating: 0°C – 60°C - Storage: -20°C – 85°C