



289.00 EUR

incl. 19% VAT, plus shipping

- Intel® Q87 Express Chipset
- Supports Intel LGA 1150 Socket Core™ i3, i5, i7 & Pentium Processors
- 2 * Dual Channel DDR3 1600/1333 up to 16GB
- TPM supported (Option)
- Support Intel i211AT & i217LM GbE LAN
- Intel Active Management Technology (iAMT 9.0)
- Support PCIe x4 slot
- 4-ports SATA III 6Gb/s support RAID 0, 1, 5, 10
- HDMI/ DVI-D/VGA Video Outputs
- Built-in Watchdog Timer Technology
- +9~24V Wide range DC-in PWR jack
- Mini-ITX Form Factor (170mm * 170mm)

Form Factor

Dimensions

- Mini-ITX (170 * 170mm)

Processor System

CPU	- Intel LGA 1150 Socket Core i7/i5/i3/Pentium Processor
Core Number	- (by CPU)
Max Speed	- (by CPU)
L2 Cache	- (by CPU)
Chipset	- Intel Q87 Express chipset
BIOS	- AMI 64Mb Flash ROM

Expansion Slot

PCI	- 0
Mini-PCIe	- 1 (half size)
mSATA	- 1 (shared with mPCIe)
PCIe	- 1 (x4)
CFast Card Socket	- 0
CF Card Socket	- 0

Memory

Technology	- 2 * Dual CH DDR3 1600/1333MHz
Max.	- 16GB
Socket	- 2 * SO-DIMM

Graphics

Controller	- (by CPU)
VRAM	- Shared Memory
VGA	- 1
LVDS	- 0
HDMI	- 1
DVI-D	- 1
DisplayPort	- 0
MultiDisplay	- Yes (Triple Displays)

Ethernet

Ethernet	- 10/100/1000 Mbps
Controller	- GbE LAN: Intel i211AT & i217LM
Connector	- 2 * RJ 45

SATA

Max Data Transfer Rate	- 4 * SATAIII (6.0Gb/s)
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Rear I/O

VGA	- 1
DVI-D	- 1
HDMI	- 1

DisplayPort	- 0
Ethernet	- 2
USB	- 4 (4 * USB 3.0)
Audio	- 2 (MIC / Line-out)
Serial	- 2 (RS-232/422/485 with 5V/12V selectable header)
eSATA	- 0
PS2	- 0
DC-input	- 1
Internal Connector	
USB	- 6 (4 * USB 2.0 + 2 * USB 3.0)
PS2	- 1
LVDS / inverter	- 0
VGA	- 0
Serial	- 2 (2 * RS-232 with 5V/12V selectable header)
SATA	- 4 * SATAIII (6.0Gb/s)
mPCIe	- 1 (half size)
Parallel	- 0
mSATA	- 1 (shared with mPCIe)

CIR	- 0
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	- +9~24V DC-in (4-pin PWR Con)
Power On	AT/ATX Supported - AT : Directly PWR on as Power input ready - 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