



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



- 1*Intel®I219LM Giga LAN +1* Intel® i211AT Giga LAN
- Support 3 * SATA III (6Gb/s) & M.2 (M key 2242/2280)
- Support HDMI/VGA Output
- 2 * External COM and 4 * internal COM (COM1/2 Support RS232/422/485, COM1/2/3/4 Support 5V/12V TTL)
- 1 *PCI-E x16 Slot■1*PCI-E x4 Slot and 5*PCI Slots
- Support Intel® vPro technology (By CPU)

Form Factor

Dimensions	– ATX (305 * 244mm)
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Processor System

CPU	– Intel® LGA1151 Series Processor
Core Number	– (by CPU)
Max Speed	– (by CPU)
L2 Cache	– (by CPU)
Chipset	– H110
BIOS	– AMI 128M Flash ROM

Expansion Slot

PCI	– 5
Mini-PCIe	– 1 (full size)
mSATA	– 0
PCIe	– 1 * PCI-E x16 + 1 *PCI-E x4 slot
M.2	– 1 (M Key 2242/2280)
SIM Card Holder	– 1

Memory

Technology	– Dual CH DDR4 2133MHz DRAM
Max.	– 32GB
Socket	– 2 * Long-DIMM

Graphics

Controller	– Intel® HD Graphics
VRAM	– Shared Memory
VGA	– 1
LVDS	– 0
eDP 1.3	– 0
HDMI 1.4	– 1 (Max Resolution : 3840×2160@60Hz)
MultiDisplay	– Dual Displays

Ethernet

Ethernet	– 10/100/1000 Mbps
Controller	– Intel® I219LM + i211AT Gigabit LAN
Connector	– 2 * RJ 45

Audio

CODEC	– HD Audio : Realtek ALC662VD
Channel	– Line-In, Line-Out, MIC

SATA

Max Data Transfer Rate	– 3 * SATAIII (6.0Gb/s)
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Rear I/O

VGA	– 1
HDMI	– 1
Ethernet	– 2
USB	– 6 * USB 3.0
Audio	– 1 (Line-in, Line-out, MIC)
Serial / Parallel	– 2 / 0 (COM1/2 Support RS232/422/485)
PS2	– 1
DC-input	– 0

Internal Connector

USB	– 2 * USB3.0 + 5 * USB 2.0
PS/2	– 0
LVDS / inverter	– 0
eDP	– 0
Serial	– 4 (COM3/4 Support 5V/12V TTL)
SATA	– 3 * SATAIII (6.0Gb/s)
mPCIe	– 1 (full size)
Parallel	– 1
M.2	– 1 (M key 2242/2280)
GPIO	– 1 (8 bit)
Chassis intrusion	– 1
Audio Header	– 1
SMBUS/ I2C	– 1
AT mode	– 1

TPM Header	– 1
Others	– 0
Watchdog Timer	
Output	– From Super I/O to drag RESETCON#
Interval	– 256 segments (10sec ~ 255min)
Power Requirements	
Input PWR	– ATX power
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
Warranty	
Warranty	– 2 Years Limited Warranty