



259.00 EUR

incl. 19% VAT, plus shipping

- Intel® LGA1151 Socket Core i3, i5, i7 & Pentium Processors (max. 65W)
- Intel® H110 Express Chipset
- Support Dual Channel DDR4 2133MHz, 2 * DIMM slot, up to 32GB memory
- 2 * Realtek Gigabit LAN (RTL8111G)
- 3 * SATA III (6Gb/s), 1 * M.2 (M key 2242, 2260, 2280, 22110)
- 4 * USB 3.0, 5 * USB 2.0/1.1
- 10 * COM ports (COM1 supports RS232/422/485)
- Support TPM 1.2 function (option)
- Micro ATX form factor (244mm x 244mm)

Form Factor

Dimensions

– Micro ATX (244 * 244mm)

Processor System

| | |
|-------------|--|
| CPU | – Intel LGA 1151 Socket Core i7 / i5 / i3 & Pentium Processors |
| Core Number | – (By CPU) |
| Max Speed | – (By CPU) |
| L2 Cache | – (By CPU) |
| Chipset | – Intel H110 Chipset |
| BIOS | – AMI 64Mb Flash ROM |

Expansion Slot

| | |
|-----------------|-------------------------------------|
| Mini-PCIe | – 1 (full size) |
| m.2 | – 1 (M Key 2242, 2260, 2280, 22110) |
| PCIe | – 1 * PCIe x16 & 1 * PCIe x 1 |
| PCI | – 2 |
| SIM card holder | – 1 |

Memory

| | |
|------------|-----------------------------|
| Technology | – Dual Channel DDR4 2133MHz |
| Max. | – 32GB |
| Socket | – 2 * DIMM |

Graphics

| | |
|------------------------|--|
| Controller | – Intel® Gen9 Graphics supports DX 11/12, OGL4.3 / 4.4 |
| VRAM | – Shared Memory |
| VGA | – 1 (Max. Resolution : 1920*1200@60Hz) |
| DVI-D | – 1 (Max. Resolution : 1920*1200@60Hz) |
| HDMI | – 1 (Max. Resolution : 3840*2160@24Hz) |
| DP | – 0 |
| eDP | – 0 |
| MultiDisplay | – Dual Display |
| Ethernet | |
| Ethernet | – 10/100/1000 Mbps |
| Controller | – PCIe GbE LAN : Realtek RTL8111G |
| Connector | – 2 * RJ 45 |
| Audio | |
| CODEC | – HD Audio : Realtek ALC662 |
| Channel | – 6 Channel |
| SATA | |
| Max Data Transfer Rate | – 3 * SATAIII (6.0Gb/s) and 1 * M.2 |
| RAID | – No |

Rear I/O

| | |
|----------|-----------------------------------|
| VGA | - 1 |
| DVI-D | - 1 |
| HDMI | - 1 |
| Ethernet | - 2 |
| USB | - 4 * USB 3.0, 2 * USB 2.0/1.1 |
| Audio | - 3 (Line-In, Line-Out, MIC) |
| Serial | - 2 (COM1 support RS232/422/485) |
| PS2 | - 0 |
| DC-input | - 0 |

Internal Connector

| | |
|-------------------|-------------------------------------|
| USB | - 3 * USB 2.0 |
| Serial | - 8 |
| SATA | - 3 |
| mPCIe | - 1 (full size) |
| M.2 | - 1 (M key 2242, 2260, 2280, 22110) |
| SIM card holder | - 1 |
| Chassis intrusion | - 1 |

| | |
|---------------------------|--|
| PS/2 | – 1 |
| GPIO | – 1 (8 bit programmable inputs/outputs) |
| SMBUS | – 1 |
| Audio Header | – 1 |
| TPM | – 1 (Option) |
| AT mode | – 1 |
| Watchdog Timer | |
| Output | – From Super I/O to drag RESETCON# |
| Interval | – 256 segments (10sec ~ 255min) |
| Power Requirements | |
| Input PWR | – 24 pin/8 pin ATX PWR Connector |
| 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 |