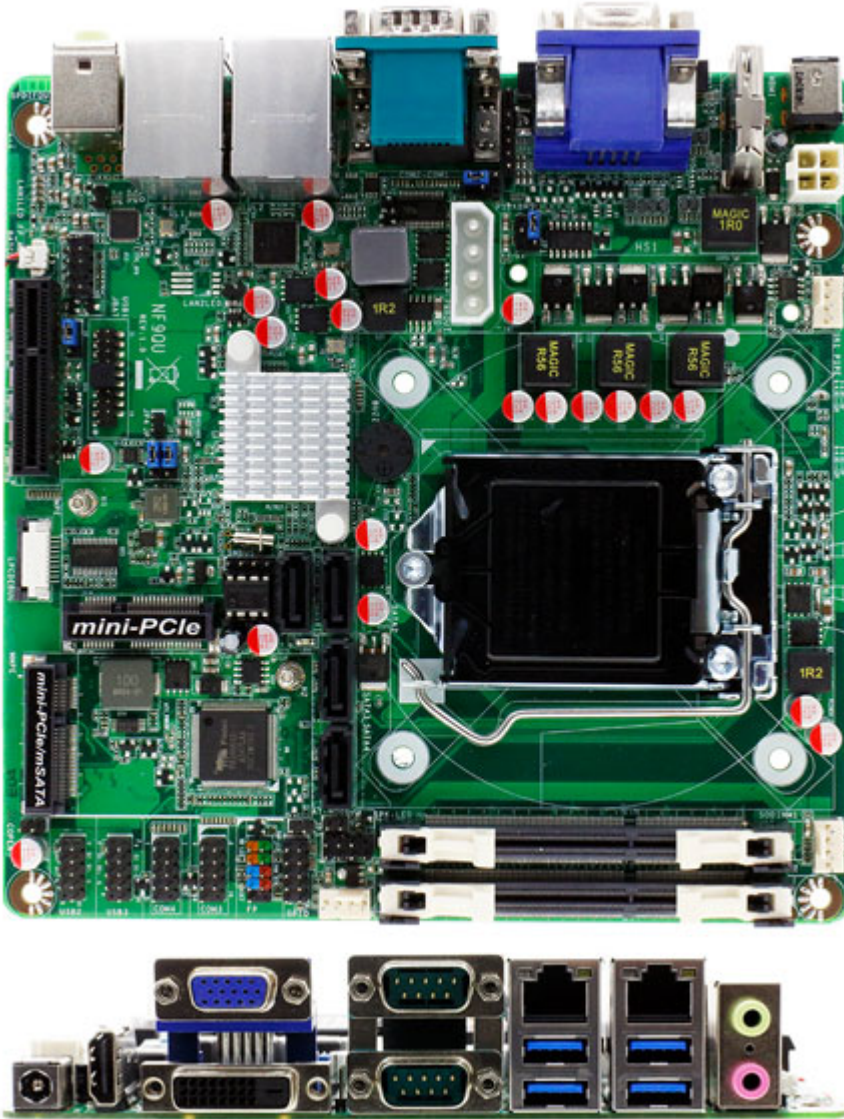


289.00 EUR
incl. 19% VAT, plus [shipping](#)



- 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) |
| 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 |