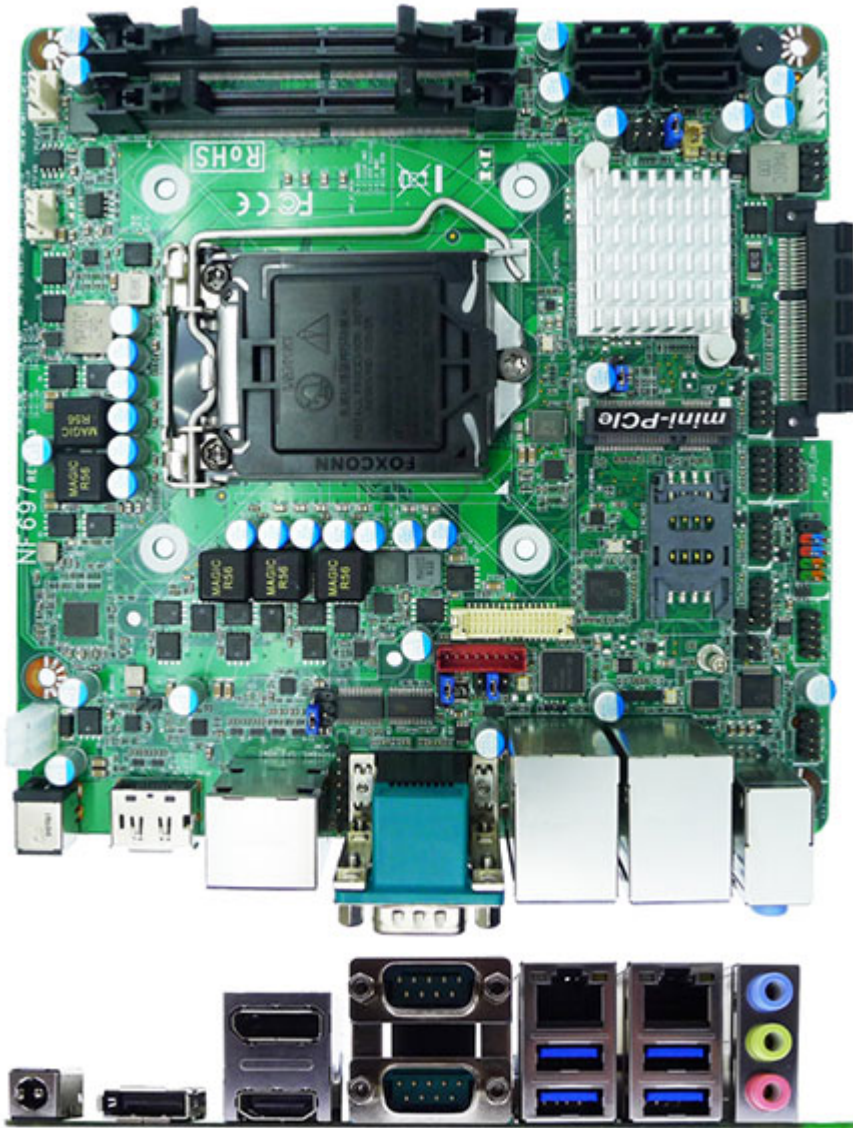




339.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel® LGA1151 Skylake/Kabylake Processor (TDP 65W)
- Intel® Q170 Express Chipset
- Support DDR4-2133, 2 \* SO-DIMM slot, up to 32GB memory
- Realtek ALC662VD Audio
- 2 \* Intel Giga LAN
- Support 4 \* SATA III (6Gb/s), support RAID 0, 1, 5, 10
- Support 2 \* DP/HDMI/LVDS, triple displays
- 2 \* External COM and 4 \* internal COM
- 4 \* External USB3.0 & 2 \* Internal USB1.1/2.0
- 1 \* mini-PCIe slot & 1 \* PCIe x4 side slot
- 1 \* SIM Card Holder
- 9 ~ 24V DC IN power

## Form Factor

|            |                                           |
|------------|-------------------------------------------|
| Dimensions | - Mini-ITX (6.7-in * 6.7-in, 170 * 170mm) |
|------------|-------------------------------------------|

## Processor System

|             |                                                       |
|-------------|-------------------------------------------------------|
| CPU         | - Intel® LGA1151 Skylake/Kabylake Processor (TDP 65W) |
| Core Number | - (by CPU)                                            |
| Max Speed   | - (by CPU)                                            |

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| L2 Cache               | - (by CPU)                                          |
| Chipset                | - Q170                                              |
| BIOS                   | - AMI Flash ROM                                     |
| <b>Expansion Slot</b>  |                                                     |
| PCI                    | - 0                                                 |
| Mini-PCIe              | - 1 (full size)                                     |
| mSATA                  | - 0                                                 |
| PCIe                   | - 1 * PCIe x4 side-slot (4 * PCIe x1 combo signals) |
| M.2                    | - 0                                                 |
| CFast Card Socket      | - 0                                                 |
| CF Card Socket         | - 0                                                 |
| SIM Card Holder        | - 1                                                 |
| <b>Memory</b>          |                                                     |
| Technology             | - Dual CH DDR4 2133MHz SDRAM                        |
| Max.                   | - 32GB                                              |
| Socket                 | - 2 * SO-DIMM                                       |
| <b>Graphics</b>        |                                                     |
| Controller             | - Intel® HD Graphics                                |
| VRAM                   | - Shared Memory                                     |
| VGA                    | - 0                                                 |
| LVDS                   | - 1 (Max Resolution : 1920x1080@60Hz)               |
| eDP 1.3                | - 0                                                 |
| HDMI 1.4               | - 1 (Max Resolution : 3840x2160@30Hz)               |
| DVI-D                  | - 0                                                 |
| DisplayPort 1.2        | - 2 (Max Resolution : 4096 x 2304@60Hz)             |
| MultiDisplay           | - Triple Displays                                   |
| <b>Ethernet</b>        |                                                     |
| Ethernet               | - 10/100/1000 Mbps                                  |
| Controller             | - 2 * Intel® Gigabit LAN (i211AT * 1 & i219LM * 1)  |
| Connector              | - 2 * RJ 45                                         |
| <b>Audio</b>           |                                                     |
| CODEC                  | - HD Audio : Realtek ALC662VD                       |
| Channel                | - Line-In, Line-Out, MIC                            |
| <b>SATA</b>            |                                                     |
| Max Data Transfer Rate | - 4 * SATAIII (6.0Gb/s)                             |
| <b>Rear I/O</b>        |                                                     |
| VGA                    | - 0                                                 |
| DVI-D                  | - 0                                                 |
| HDMI                   | - 1                                                 |
| DisplayPort            | - 2                                                 |
| Ethernet               | - 2                                                 |
| USB                    | - 4 * USB 3.0                                       |
| Audio                  | - 1 (Line-in, Line-out, MIC)                        |
| Serial                 | - 2 (COM2: RS232/422/485)                           |
| eSATA                  | - 0                                                 |

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| PS/2                      | - 0                                                                                                                      |
| DC-input                  | - 1                                                                                                                      |
| <b>Internal Connector</b> |                                                                                                                          |
| USB                       | - 2 * USB 2.0                                                                                                            |
| PS/2                      | - 1                                                                                                                      |
| LVDS / inverter           | - 1                                                                                                                      |
| eDP                       | - 0                                                                                                                      |
| VGA                       | - 0                                                                                                                      |
| Serial                    | - 4                                                                                                                      |
| SATA                      | - 4 * SATAIII (6.0Gb/s)                                                                                                  |
| mPCIe                     | - 1 (full size)                                                                                                          |
| Parallel                  | - 0                                                                                                                      |
| mSATA                     | - 0                                                                                                                      |
| M.2                       | - 0                                                                                                                      |
| GPIO                      | - 1 (8 bit)                                                                                                              |
| Chassis intrusion         | - 1                                                                                                                      |
| Audio Header              | - 1                                                                                                                      |
| SMBUS/ I2C                | - 1                                                                                                                      |
| AT mode                   | - 1                                                                                                                      |
| TPM Header                | - 1 (on board option)                                                                                                    |
| Others                    | - Support RAID 0, 1, 5, 10                                                                                               |
| <b>Watchdog Timer</b>     |                                                                                                                          |
| Output                    | - From Super I/O to drag RESETCON#                                                                                       |
| Interval                  | - 256 segments (10sec ~ 255min)                                                                                          |
| <b>Power Requirements</b> |                                                                                                                          |
| Input PWR                 | - +9~24V DC-in                                                                                                           |
| Power On                  | AT/ATX Supported<br>- AT : Directly PWR on as Power input ready<br>- ATX: Press Button to PWR on after Power input ready |
| <b>Certifications</b>     |                                                                                                                          |
| Certifications            | - CE, FCC, RoHS, REACH                                                                                                   |
| <b>Environment</b>        |                                                                                                                          |
| Temperature               | - Operating: 0°C ~ 60°C                                                                                                  |
|                           | - Storage: -20°C ~ 85°C                                                                                                  |
| <b>Packing</b>            |                                                                                                                          |
| Packing                   | - Net Weight:<br>- Gross Weight:<br>- Color Box dimension:                                                               |