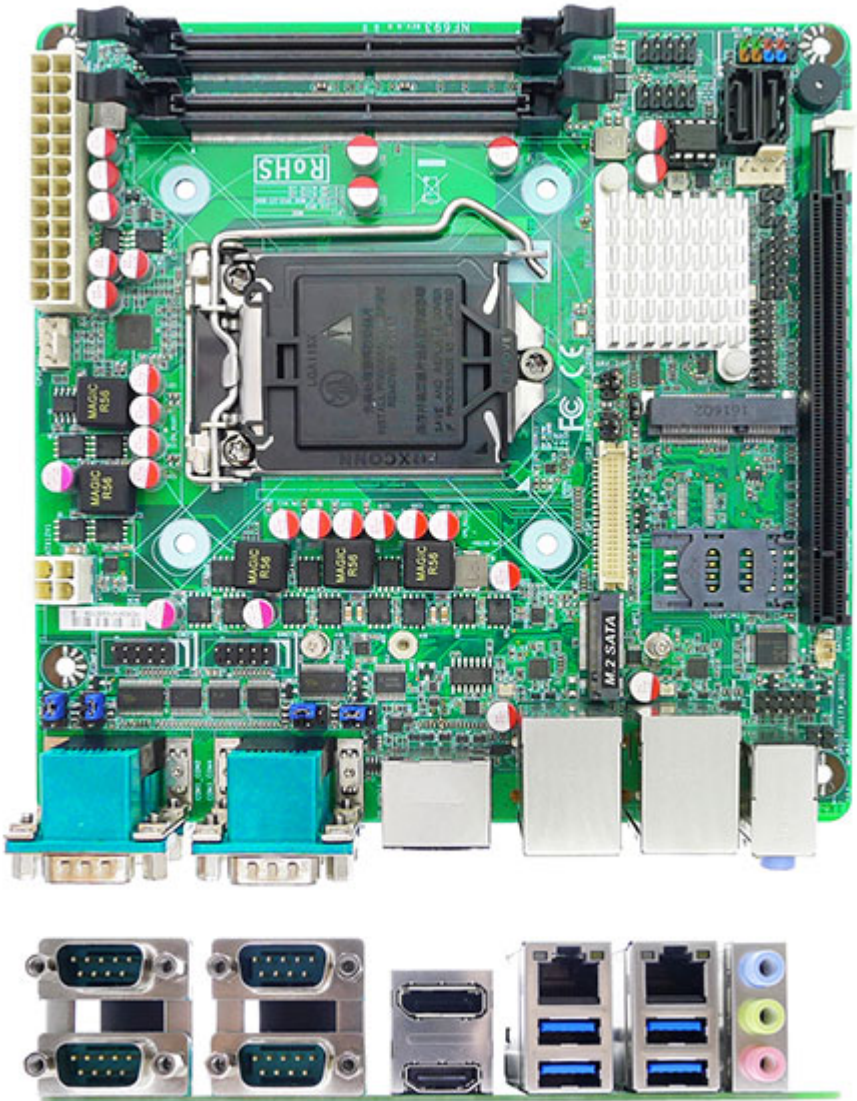




229.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel® LGA1151 Socket Core i3, i5, i7 & Pentium Processors (max. 65W)
- Intel® H110 Express Chipset
- Support Dual Channel DDR4 2133MHz, 2 \* SO-DIMM slot, up to 32GB memory
- Realtek ALC662 6-Channel HD Audio
- 2 \* Realtek Giga LAN
- Support 2 \* SATA 3.0 (6Gb/s), 1 \* mPCIe/mSATA and 1 \* M.2 M key-2242, 2260
- Support HDMI/DP/eDP, dual displays
- 4 \* External RS232 and 2 \* internal COM (COM1 supports RS232/422/485)
- 4 \* External USB3.0 & 4 \* Internal USB1.1/2.0
- 1 \* PCIe x16 slot
- 1 \* SIM Card Holder

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

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| <b>Chipset</b>                | - Intel H110 Chipset                                   |
| <b>BIOS</b>                   | - AMI 64Mb Flash ROM                                   |
| <b>Expansion Slot</b>         |                                                        |
| <b>Mini-PCIe</b>              | - 1 (full size, co-lay with mSATA)                     |
| <b>mSATA</b>                  | - 1 (full size, co-lay with mini-PCIe)                 |
| <b>M.2</b>                    | - 1 (M key-2242, 2260)                                 |
| <b>PCIe</b>                   | - 1 * PCIe x16                                         |
| <b>SIM card holder</b>        | - 1                                                    |
| <b>Memory</b>                 |                                                        |
| <b>Technology</b>             | - Dual Channel DDR4 2133MHz                            |
| <b>Max.</b>                   | - 32GB                                                 |
| <b>Socket</b>                 | - 2 * SO-DIMM                                          |
| <b>Graphics</b>               |                                                        |
| <b>Controller</b>             | - Intel® Gen9 Graphics supports DX 11/12, OGL4.3 / 4.4 |
| <b>VRAM</b>                   | - Shared Memory                                        |
| <b>VGA</b>                    | - 0                                                    |
| <b>DVI-D</b>                  | - 0                                                    |
| <b>HDMI</b>                   | - 1 (Max. Resolution : 3840*2160@24Hz)                 |
| <b>DP</b>                     | - 1 (Max. Resolution : 4096*2304@60Hz)                 |
| <b>eDP</b>                    | - 1 (Max. Resolution : 4096*2304@60Hz)                 |
| <b>MultiDisplay</b>           | - Dual Display                                         |
| <b>Ethernet</b>               |                                                        |
| <b>Ethernet</b>               | - 10/100/1000 Mbps                                     |
| <b>Controller</b>             | - PCIe GbE LAN : Realtek RTL8111G                      |
| <b>Connector</b>              | - 2 * RJ 45                                            |
| <b>Audio</b>                  |                                                        |
| <b>CODEC</b>                  | - HD Audio : Realtek ALC662                            |
| <b>Channel</b>                | - 6 Channel                                            |
| <b>SATA</b>                   |                                                        |
| <b>Max Data Transfer Rate</b> | - 2 * SATAIII (6.0Gb/s), 1 * mini-SATA III and 1 * M.2 |
| <b>RAID</b>                   | - No                                                   |
| <b>Rear I/O</b>               |                                                        |
| <b>VGA</b>                    | - 0                                                    |
| <b>DP</b>                     | - 1                                                    |
| <b>HDMI</b>                   | - 1                                                    |
| <b>Ethernet</b>               | - 2                                                    |
| <b>USB</b>                    | - 4 * USB 3.0                                          |
| <b>Audio</b>                  | - 3 (Line-In, Line-Out, MIC)                           |
| <b>Serial</b>                 | - 4 (COM1 support RS232/422/485 )                      |
| <b>LED</b>                    | - 0                                                    |
| <b>DC-input</b>               | - 0                                                    |
| <b>Internal Connector</b>     |                                                        |
| <b>HDMI</b>                   | - 0                                                    |
| <b>USB</b>                    | - 4 * USB 2.0                                          |
| <b>eDP</b>                    | - 1                                                    |

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Serial</b>             | - 2 (COM5 is optional to support RS232/422/485)                                                                          |
| <b>SATA</b>               | - 2                                                                                                                      |
| <b>mPCIe</b>              | - 1 (full size, co-lay with mSATA)                                                                                       |
| <b>mSATA</b>              | - 1 (full size, co-lay with mPCIe)                                                                                       |
| <b>M.2</b>                | - 1 (M key-2242, 2260)                                                                                                   |
| <b>SIM card holder</b>    | - 1                                                                                                                      |
| <b>Chassis intrusion</b>  | - 1                                                                                                                      |
| <b>PS/2</b>               | - 1                                                                                                                      |
| <b>GPIO</b>               | - 1 (8 bit programmable inputs/outputs)                                                                                  |
| <b>SMBUS/ I2C</b>         | - 1                                                                                                                      |
| <b>Audio Header</b>       | - 1                                                                                                                      |
| <b>TPM</b>                | - 1 (onboard option)                                                                                                     |
| <b>AT mode</b>            | - 1                                                                                                                      |
| <b>Watchdog Timer</b>     |                                                                                                                          |
| <b>Output</b>             | - From Super I/O to drag RESETCON#                                                                                       |
| <b>Interval</b>           | - 256 segments (10sec ~ 255min)                                                                                          |
| <b>Power Requirements</b> |                                                                                                                          |
| <b>Input PWR</b>          | - 24 pin/4 pin ATX PWR Connector                                                                                         |
| <b>Power On</b>           | 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>     |                                                                                                                          |
| <b>Certifications</b>     | - CE, FCC, RoHS, REACH                                                                                                   |
| <b>Environment</b>        |                                                                                                                          |
| <b>Temperature</b>        | - Operating: 0°C – 60°C                                                                                                  |
|                           | - Storage: -20°C – 85°C                                                                                                  |