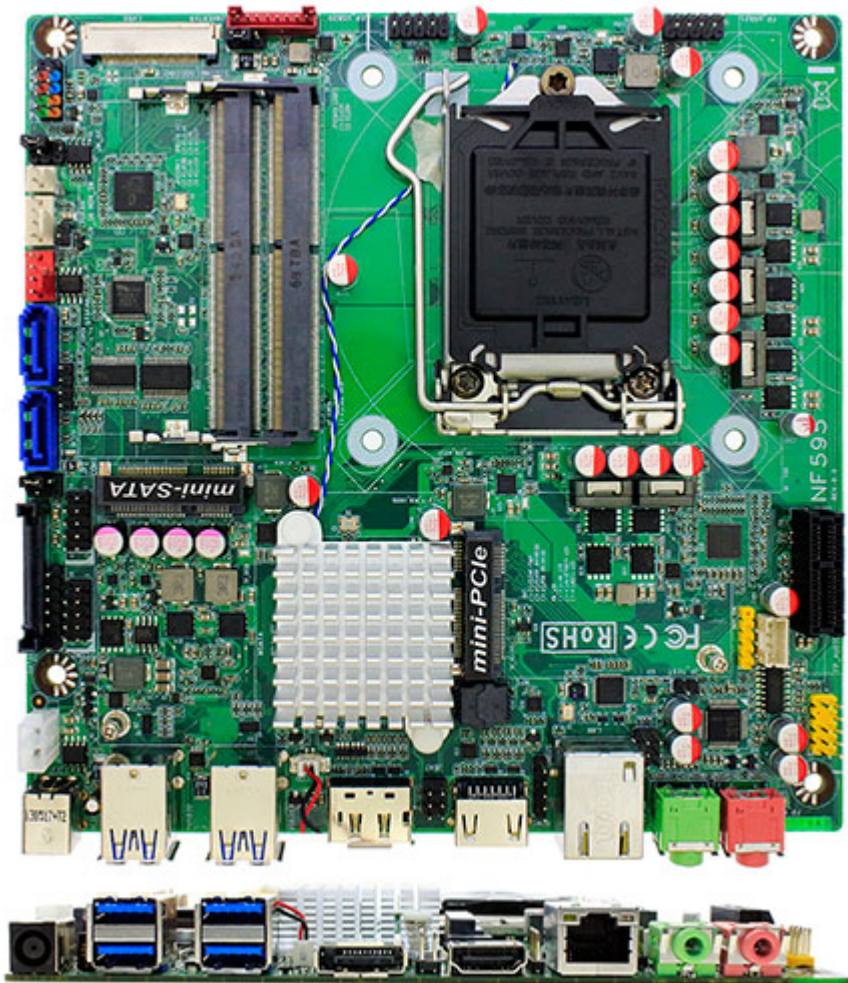




999.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel® H110 Express Chipset
- Supports Intel LGA 1151 Socket Core™ i3, i5, i7 Pentium Processors (TDP ≤65 W)
- 2 \* Dual Channel DDR4 2133MHz up to 32GB
- Support Intel i219V GbE LAN
- Support PCIe x1 slot
- 2 \* SATAIII (6.0Gb/s)
- HDMI/ DP/LVDS Video Outputs (eDP Options)
- Integrated Realtek ALC662VD Audio Codec
- Built-in Watchdog Timer Technology
- +19V DC-in PWR jack
- Thin Mini-ITX Form Factor (170mm \* 170mm)

| Form Factor      |                                                                     |
|------------------|---------------------------------------------------------------------|
| Dimensions       | - Thin Mini-ITX (170 * 170mm)                                       |
| Processor System |                                                                     |
| CPU              | - Intel LGA 1151 Socket Core i7/i5/i3/Pentium Processor (TDP ≤65 W) |
| Core Number      | - (by CPU)                                                          |
| Max Speed        | - (by CPU)                                                          |
| L2 Cache         | - (by CPU)                                                          |
| Chipset          | - Intel H110 Express chipset                                        |
| BIOS             | - AMI 64Mb Flash ROM                                                |
| Expansion Slot   |                                                                     |

|                           |                                              |
|---------------------------|----------------------------------------------|
| PCI                       | - 0                                          |
| Mini-PCle                 | - 1 (full size)                              |
| mSATA                     | - 1 (full size)                              |
| PCIe                      | - 1 x1                                       |
| CFast Card Socket         | - 0                                          |
| CF Card Socket            | - 0                                          |
| <b>Memory</b>             |                                              |
| Technology                | - DDR4 2133MHz Dual CH                       |
| Max.                      | - 32GB                                       |
| Socket                    | - 2 * SO-DIMM                                |
| <b>Graphics</b>           |                                              |
| Controller                | - (by CPU)                                   |
| VRAM                      | - Shared Memory                              |
| VGA                       | - 0                                          |
| LVDS                      | - 1 * Onboard 24-bits dual channel connector |
| HDMI                      | - 1 (1.4a) Max. Resolution: 1920*1080@60Hz   |
| DVI-D                     | - 0                                          |
| DisplayPort               | - 1 (1.2) Max. Resolution: 4096*2304@60Hz    |
| MultiDisplay              | - Yes (Dual Display)                         |
| <b>Ethernet</b>           |                                              |
| Ethernet                  | - 10/100/1000 Mbps                           |
| Controller                | - GbE LAN: INI219V                           |
| Connector                 | - 1 * RJ 45                                  |
| <b>Audio</b>              |                                              |
| CODEC                     | - HD Audio : Realtek ALC662VD                |
| Channel                   | - 4 Channel                                  |
| <b>SATA</b>               |                                              |
| Max Data Transfer Rate    | - 2 * SATAIII (6.0Gb/s)                      |
| <b>Rear I/O</b>           |                                              |
| VGA                       | - 0                                          |
| DVI-D                     | - 0                                          |
| HDMI                      | - 1                                          |
| DisplayPort               | - 1                                          |
| Ethernet                  | - 1                                          |
| USB                       | - 4 * USB 3.0                                |
| Audio                     | - 2 (MIC / Line-out)                         |
| Serial                    | - 0                                          |
| eSATA                     | - 0                                          |
| PS2                       | - 0                                          |
| DC-input                  | - 1 * 19V DC-in                              |
| <b>Internal Connector</b> |                                              |
| USB                       | - 4 * USB 2.0                                |
| PS/2                      | - 1                                          |
| LVDS / inverter           | - 1                                          |
| VGA                       | - 0                                          |

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Serial                    | - 2 (1 * RS232, 1 * RS232/422/485)                                                                                       |
| SATA                      | - 2 * SATAIII (6.0Gb/s)                                                                                                  |
| mPCIe                     | - 1 (full size)                                                                                                          |
| Parallel                  | - 0                                                                                                                      |
| mSATA                     | - 1 (full size)                                                                                                          |
| CIR                       | - 0                                                                                                                      |
| GPIO 8-bit                | - 0                                                                                                                      |
| Chassis intrusion         | - 1                                                                                                                      |
| Audio Header              | - 1                                                                                                                      |
| TPM                       | - 1 (Option)                                                                                                             |
| <b>Watchdog Timer</b>     |                                                                                                                          |
| Output                    | - From Super I/O to drag RESETCON#                                                                                       |
| Interval                  | - 256 segments, 0,1,2...255sec/min                                                                                       |
| <b>Power Requirements</b> |                                                                                                                          |
| Input PWR                 | - +19 DC-in (2-pin PWR Con)                                                                                              |
| 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<br>- Storage: -20°C – 85°C                                                                       |