



149.95 EUR

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

- Intel Apollo Lake !
- 4x 2.5Ghz !
- 2x RS232 !
- No Audio !

Special offer without Realtek ALC283 chip. No audio function. Otherwise everything is the same as the regular SKU.

- Intel Apollo Lake N4200/N3350 quad/dual cores processor
- Intel HD graphics and DriectX 12 support
- Dual channel DDR3L with two connectors for MAX. 8GB memory
- Triple independent display from HD-Out, DP-out, and eDP / LVDS connectivity
- Features high speed Gigabit Ethernet connection
- Features 2 SATA 6Gb/s
- Four Hi-Speed USB3.0 ports support
- Two RS232 support, optional for four extra COM ports
- One PCIe connector for the future Add-in card
- Two M.2 slot for storage and wireless expansion
- 8 V to 24 V wide-range voltage input via back-panel DC jack or internal power connector

|                   |                                                                                                                         |   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------|---|
| Form Factor       | Low-profile Mini-ITX (20 millimeters [0.79 inches] x 170.18 millimeters [6.7 inches] x 170.18 millimeters [6.7 inches]) |   |
| Processor Chipset | Intel Braswell N4200 Processor with integrated graphics                                                                 |   |
| Memory            | • Support for dual channel DDR3L 1867 SO-DIMMs                                                                          |   |
|                   | • Support for up to 8 GB of system memory on a single SO-DIMM (or 4 GB each by 2 SO-DIMM)                               |   |
| Graphics          | • 204-pin DDR3L SO-DIMM                                                                                                 | 2 |
|                   | • Integrated graphics:                                                                                                  |   |
|                   | • Digital displays (HD-Out)                                                                                             |   |
|                   | • Internal flat panel displays:                                                                                         |   |
|                   | • LVDS                                                                                                                  |   |
|                   | • Embedded DisplayPort* eDP*                                                                                            |   |
|                   | • External graphics support via a PCI Express 2.0 x1 graphics add-in card connector                                     |   |
|                   | • No                                                                                                                    |   |
|                   | • Analog stereo line-out (back panel jack)                                                                              |   |
|                   | Audio                                                                                                                   |   |
|                   | • In-chassis stereo speakers support (3 W/3 Ω via an internal header)                                                   |   |

|                       |                                                                                                      |                                                             |
|-----------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Expansion Capability  | • PCI Express x1 add-in card connector                                                               | 1                                                           |
|                       | • M.2 (2242/2260/2280) with USB2.0 and SATA III signal for SSD                                       | 1                                                           |
|                       | • M.2 (2230) with PCIe1 and USB2.0 signal for wireless                                               | 1                                                           |
| Peripheral Interfaces | • USB 2.0 front panel ports                                                                          | 2 (Header)                                                  |
|                       | • USB 3.0 back panel connectors (blue)                                                               | 4                                                           |
|                       | • SATA 6.0 Gb/s                                                                                      | 1                                                           |
|                       | • SATA 6.0 Gb/s port (multiplexed with an m.2 slot)                                                  | 1                                                           |
| Legacy I/O            | • Legacy I/O Controller that provides:                                                               |                                                             |
|                       | • Serial port header                                                                                 | 2                                                           |
|                       | • Parallel port via an onboard header (Option with MiAPI header)                                     | 1                                                           |
|                       | LAN Support                                                                                          | 2x Intel I211-AT (10/100/1000 Mb/s) Ethernet LAN controller |
| BIOS                  | • BIOS resident in a Serial Peripheral Interface (SPI) Flash device                                  |                                                             |
|                       | • Support for Advanced Configuration and Power Interface (ACPI), and System Management BIOS (SMBIOS) |                                                             |
| Hardware Management   | Nuvoton NCT6793D based subsystem, including:                                                         |                                                             |
|                       | • Voltage sense to detect out of range power supply voltages                                         |                                                             |
|                       | • Thermal sense to detect out of range thermal values                                                |                                                             |
| Power Requirement     | • 2x 4-pin system fan header                                                                         |                                                             |
|                       | • DC connectivity via back-panel DC jack(2.5mm/ ID, 5.5mm/ OD)                                       |                                                             |
| Environment           | • Internal 2 pin power connector                                                                     |                                                             |
|                       | • Operating Temperature: 0°C to +60°C                                                                |                                                             |
| Safety                | • Storage Temperature: -20°C to +70°C                                                                |                                                             |
|                       | • CE                                                                                                 |                                                             |
|                       | • FCC                                                                                                |                                                             |