



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	