999.00 EUR
incl. 19% VAT, plus shipping

- 2x Gigabit LAN !
- 10x USB !
- 3x COM !

**Support:** 📄 Specifications

Thin Mini-ITX Embedded Motherboard with Intel® Celeron® N4500 Processor, Dual Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb/s, 10 x USB

- Thin Mini-ITX form factor
- Intel® Celeron® N4500 Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN Ports
- 1 x SATA 6Gb/s Port
- HDMI, eDP/LVDS ports for Multiple Display
- Realtek® Audio Codec
- 1 x COM Port (RS-232/422/485 & RI/5V/12V)
- 3 x COM Ports (RS-232/422/485)

| Form Factor | Thin Mini-ITX<br>170W x 170D(mm) |
|---|---|
| CPU | Intel® Celeron® N4500 Processor<br>10nm, 2 cores, 2 threads, up to 2.80 GHz<br>TDP 6W |
| Socket | 1x FCBGA1338 |
| Memory | 2 x DDR4 SO-DIMM sockets, Max. Capacity 16 GB<br>Support Dual channel DDR4 2933 MHz memory modules |
| Ethernet | 2 x GbE LAN Ports (Realtek® RTL8118-CG) |

| | |
|---|---|
| Video | Integrated Graphics Processor - Intel® UHD Graphics: <br> 2 x HDMI 2.0 port, supporting a maximum resolution of 3840x2160 @60Hz <br> 1 x LVDS port, supporting a maximum resolution of 1920x1080 @60Hz <br> 1 x eDP port, supporting a maximum resolution of 4096x2160 @60Hz <br><br> (3 independent display outputs) |
| Audio | Realtek Audio Codec |
| Storage | 1 x SATA 6Gb/s Port |
| Expansion Slots | 1 x PCIe x1 (Gen3 x1) <br> 1 x 2280 M.2 M-Key (SATA 6Gb/s) <br> 1 x 2230 M.2 E-Key |
| Internal I/O | 1 x 4-pin ATX main power connector <br> 1 x ATX Control header (For Standard ATX PSU use) <br> 1 x SATA power connector <br> 1 x System fan header <br> 1 x Front panel header <br> 1 x Front panel audio header <br> 1 x 2W Speaker out header <br> 6 x USB 2.0 headers <br> 1 x COM header (RS-232/422/485 & RI/5V/12V) <br> 3 x COM headers (RS-232) <br> 1 x GPIO (8 bits) & SMBus header <br> 1 x Backlight Control header <br> 1 x AT/ATX mode select jumper |
| Rear I/O | 2 x Audio Jacks (Line out, Mic in) <br> 2 x HDMI <br> 2 x RJ45 LAN Ports <br> 4 x USB 3.2 Gen 1 <br> 1 x DC Jack (+12V~24VDC) |
| OS Compatibility | Windows 10 (x64) |
| Operating Properties | Operating temperature: 0°C to 60°C <br> Operating humidity: 0-90% (non-condensing) <br> Non-operating temperature: -40°C to 85°C <br> Non-operating humidity: 0%-95% (non-condensing) |
| Packing Content | Capacity: 10pcs <br> Carton size: 465 x 351 x 217(mm) <br> Content: <br> IO Shield x 1 (P/N: 12AIO-MJPLN0-00R) <br> SATA Power cable x 2 (P/N: 25CRI-300B01-K1R) |