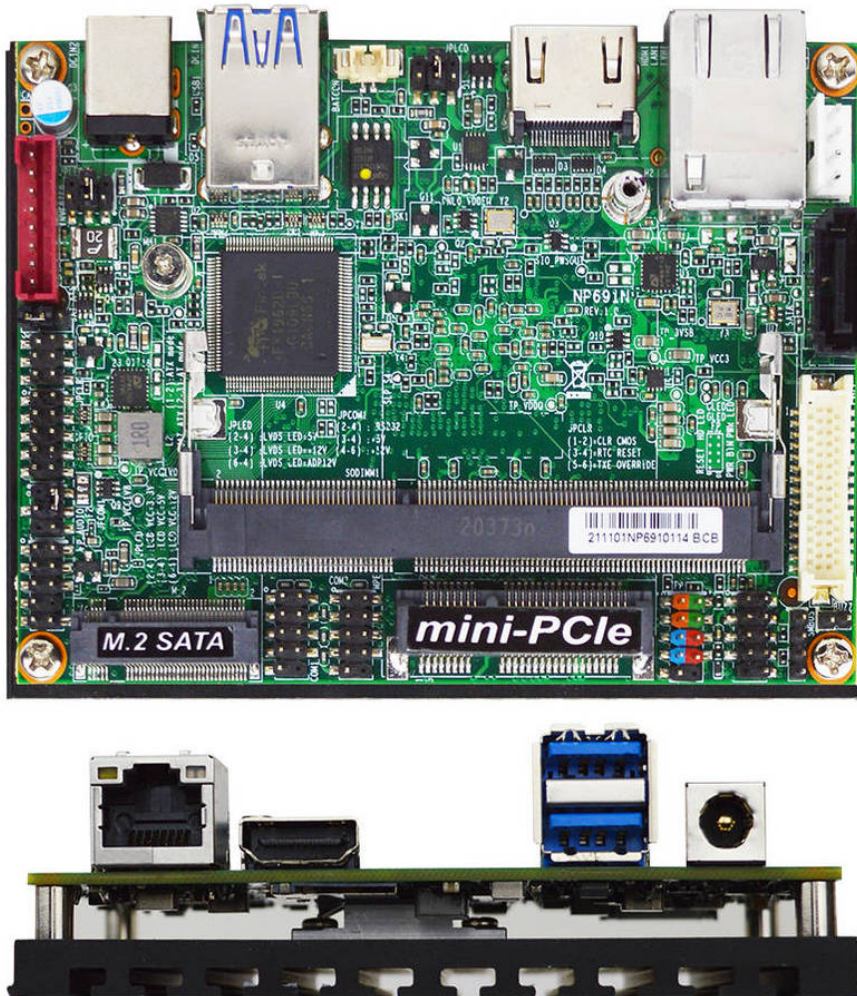




0.00 EUR

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

- Intel Celeron J3455 !
- Pico-ITX 100 x 72 mm !
- HDMI 4K + LVDS !
- M.2, mPCIe & SIM !

- Intel® Celeron® J3455 SoC processor (formerly Apollo Lake)
- Ultra-compact Pico-ITX form factor, 100 x 72 mm
- Dual display support with HDMI® 4K and LVDS
- 1 x DDR3L-1866 SO-DIMM slot supporting up to 8 GB
- 2 x COM, 2 x USB 3.0 and internal header for 2 x USB 2.0
- 1 x SATA III, 1 x M.2 M-Key 2242 (SATA), 1 x full-size Mini-PCle and SIM card slot
- CPU mounted on the bottom for easy integration into fanless systems
- 12 V DC-in

The JETWAY JNP691N is a Pico-ITX motherboard powered by an Intel® Celeron® J3455 SoC processor. It combines a DDR3L SO-DIMM slot with compact dimensions and comprehensive connectivity for embedded applications.

For display connectivity, HDMI® supports a maximum resolution of 3840 x 2160 at 30 Hz, while LVDS supports up to 1920 x 1080 at 60 Hz. Operation of two displays is supported.

For storage and expansion, the board provides SATA III, an M.2 M-Key 2242 slot with SATA interface, a full-size Mini-PCle slot and a SIM card slot. Gigabit Ethernet connectivity is provided by Realtek® RTL8111H.

|                    |                                       |
|--------------------|---------------------------------------|
| Model              | JNP691N Series                        |
| <b>Form Factor</b> |                                       |
| MB Form Factor     | Pico-ITX                              |
| Dimension (W x D)  | 100.0 (W) x 72.0 (D) mm (3.9" x 2.8") |

|                                        |                                                                          |
|----------------------------------------|--------------------------------------------------------------------------|
| <b>System</b>                          |                                                                          |
| CPU                                    | Onboard Intel® Celeron® Processor J3455 (Formerly Apollo Lake, TDP 10W)  |
| Chipset                                | Intel® SoC                                                               |
| Memory                                 | 1 x DDR3L 1866MT/s SDRAM SO-DIMM up to 8GB                               |
| BIOS                                   | AMI Flash ROM                                                            |
| Watchdog Timer                         | 255 Levels                                                               |
| <b>Power</b>                           |                                                                          |
| Power Requirement                      | DC-in 12V                                                                |
| Power On Mode                          | AT / ATX                                                                 |
| Connector                              | DC Jack                                                                  |
| <b>Display</b>                         |                                                                          |
| GPU                                    | Intel® HD Graphics                                                       |
| LVDS                                   | 1 x LVDS (Max. Resolution: 1920 x 1080 @60Hz)                            |
| HDMI®                                  | 1 x HDMI® (Max. Resolution: 3840 x 2160@30Hz)                            |
| Multiple Display                       | Support 2 Displays                                                       |
| <b>Audio</b>                           |                                                                          |
| Codec                                  | Realtek Audio Codec                                                      |
| <b>LAN</b>                             |                                                                          |
| Ethernet                               | 1 x RJ45 for Realtek® RTL8111H GbE                                       |
| <b>USB Port</b>                        |                                                                          |
| USB                                    | 2 x USB 3.0<br>Internal Header for 2 x USB 2.0                           |
| <b>Serial Port</b>                     |                                                                          |
| COM                                    | Internal Header for 1 x RS-232<br>Internal Header for 1 x RS-232/422/485 |
| <b>Internal I/O</b>                    |                                                                          |
| GPIO                                   | 8-Bit                                                                    |
| SMBUS                                  | Yes                                                                      |
| Additional                             | 1 x Chassis Intrusion<br>1 x Audio Header<br>1 x LVDS w/ Inverter        |
| <b>Storage</b>                         |                                                                          |
| SATA                                   | 1 x SATA III                                                             |
| Mini PCI-E                             | 1 x Full Size Mini-PCIe                                                  |
| <b>Expansion</b>                       |                                                                          |
| M.2                                    | 1 x M-Key 2242 (SATA)                                                    |
| SIM                                    | 1 x SIM Card Slot                                                        |
| <b>Environment &amp; Certification</b> |                                                                          |
| Shock                                  | 15G, 11ms duration                                                       |
| Vibration                              | 1 Grms/ 5~ 500Hz/ Operation                                              |
| Operating Temperature                  | 0°C ~ 60°C (32°F ~ 140°F)                                                |
| Storage Temperature                    | -20°C ~ 85°C (-4°F ~ 185°F)                                              |
| Operating Humidity                     | 10 ~ 90% Relative Humidity, Non-condensing                               |
| Certification                          | CE/FCC Class A<br>LVD                                                    |