

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



The JETWAY JNU691 Series adopts the Intel® Apollo Lake SoC processor. The board has one 204-pin DDR3L 1866MHz SODIMM up to 8GB memory. JNU691 Series equipped with 2 \* HDMI and 1 \* VGA for IoT applications. Intel® Apollo Lake SoC processor support AES NI which is a new hardware encryption instructions to improves on the AES algorithm and accelerates the encryption of data. JNU691 also support TPM feature to secure customers' data.

In addition, it offers 6 \* USB3.0/2.0 ports which can connect different peripherals, e.g. camera and sensor. It is flexible expansion via Mini PCIe slot, SIM card holder, and one RS232 port. An internal Mini-SATA slot and SATA III connector provide storage selection. In addition, JNU691 board size is 101\*101mm and is a SubCompact, powerful and energy efficient NUC form factor board with reliable performance.

- Intel® Apollo Lake SoC Processor
- 1 \* 204-pin DDR3L 1866MHz SODIMM Up to 8 GB
- 2 \* 10/100/1000 Base-TX Ethernet Ports
- Support Intel AES NI and TPM2.0 to secure customers data
- 4 \* Ext USB3.0, 1 \* Line-Out/MIC, 2 \* HDMI, 1 \* VGA
- 1\* full size mSATA, 1\* half size Mini PCIe Slot, 1 \* SIM card holder

- 12V DC-in power

| Model                  | JNU691-3350                          | JNU691-4200                       |
|------------------------|--------------------------------------|-----------------------------------|
| Form Factor            |                                      |                                   |
| Dimensions             | – NUC (101 * 101mm)                  |                                   |
| Processor System       |                                      |                                   |
| CPU                    | – Intel® Celeron N3350 Processor     | – Intel® Pentinum N4200 Processor |
| Core Number            | – Dual Core                          | – Quad Core                       |
| Max Speed              | – 2.4GHz                             | – 2.5GHz                          |
| Smart Cache            | – 2MB                                | – 2MB                             |
| Chipset                | – SoC                                |                                   |
| BIOS                   | – AMI Flash ROM                      |                                   |
| Expansion Slot         |                                      |                                   |
| Mini-PCIe              | – 1 (half size)                      |                                   |
| mSATA                  | – 1 (full size)                      |                                   |
| PCIe                   | – 0                                  |                                   |
| M.2                    | – 0                                  |                                   |
| SIM Card Holder        | – 1                                  |                                   |
| Memory                 |                                      |                                   |
| Technology             | – DDR3L 1866MHz SDRAM                |                                   |
| Max.                   | – 8GB                                |                                   |
| Socket                 | – 1 * SO-DIMM                        |                                   |
| Graphics               |                                      |                                   |
| Controller             | – Intel® HD Graphics                 |                                   |
| VRAM                   | – Shared Memory                      |                                   |
| VGA                    | – 1 (max. 1920×1200@60Hz resolution) |                                   |
| LVDS                   | – 0                                  |                                   |
| eDP 1.3                | – 0                                  |                                   |
| HDMI 1.4               | – 2 (max. 3840×2160@30Hz resolution) |                                   |
| DisplayPort            | – 0                                  |                                   |
| MultiDisplay           | – Triple Displays                    |                                   |
| Ethernet               |                                      |                                   |
| Ethernet               | – 10/100/1000 Mbps                   |                                   |
| Controller             | – 2 * Realtek RTL8111H GbE           |                                   |
| Connector              | – 2 * RJ 45                          |                                   |
| Audio                  |                                      |                                   |
| CODEC                  | – HD Audio : Realtek ALC662VD        |                                   |
| Channel                | – 2 Channels                         |                                   |
| SATA                   |                                      |                                   |
| Max Data Transfer Rate | – 1 * SATAIII (6.0Gb/s) & 1 * mSATA  |                                   |
| External I/O           |                                      |                                   |
| VGA                    | – 1 (front)                          |                                   |
| HDMI                   | – 2 (rear)                           |                                   |
| DisplayPort            | – 0                                  |                                   |
| Ethernet               | – 2 (rear)                           |                                   |
| USB                    | – 4 * USB 3.0 (2 * front & 2 * rear) |                                   |

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Audio                     | – 1 (Line-Out/MIC Combo)                                                                                                 |
| Serial                    | – 1 * RS232/422/485 (front)                                                                                              |
| DC-input                  | – 1 (rear)                                                                                                               |
| <b>Internal Connector</b> |                                                                                                                          |
| USB                       | – 2 * USB 2.0                                                                                                            |
| HDMI                      | – 0                                                                                                                      |
| LVDS / inverter           | – 0                                                                                                                      |
| eDP                       | – 0                                                                                                                      |
| VGA                       | – 0                                                                                                                      |
| Serial                    | – 0                                                                                                                      |
| SATA                      | – 1 * SATAIII (6.0Gb/s))                                                                                                 |
| mPCIe                     | – 1 (half size)                                                                                                          |
| mSATA                     | – 1 (full size)                                                                                                          |
| M.2                       | – 0                                                                                                                      |
| GPIO                      | – 1 (8 bit)                                                                                                              |
| Chassis intrusion         | – 1                                                                                                                      |
| Audio Header              | – 0                                                                                                                      |
| SMBUS/ I2C                | – 0                                                                                                                      |
| AT mode                   | – 1                                                                                                                      |
| TPM                       | – 1 (TPM2.0 on board)                                                                                                    |
| Others                    | – 0                                                                                                                      |
| <b>Watchdog Timer</b>     |                                                                                                                          |
| Output                    | – From Super I/O to drag RESETCON#                                                                                       |
| Interval                  | – 256 segments (10sec ~ 255min)                                                                                          |
| <b>Power Requirements</b> |                                                                                                                          |
| Input PWR                 | – 12V DC IN                                                                                                              |
| 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                                                                                                  |
|                           | – Storage: -20°C ~ 85°C                                                                                                  |
| <b>Warranty</b>           |                                                                                                                          |
| Warranty                  | – 2 Years Limited Warranty                                                                                               |