



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® Pentium 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
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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)
Internal Connector	
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

Watchdog Timer

Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (10sec ~ 255min)

Power Requirements

Input PWR	- 12V DC IN
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Power On	<p>AT/ATX Supported</p> <ul style="list-style-type: none"> – AT : Directly PWR on as Power input ready – ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	<ul style="list-style-type: none"> – CE, FCC, RoHS, REACH
Environment	
Temperature	<ul style="list-style-type: none"> – Operating: 0°C ~ 60°C
	<ul style="list-style-type: none"> – Storage: -20°C ~ 85°C
Warranty	
Warranty	<ul style="list-style-type: none"> – 2 Years Limited Warranty