

239.00 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)
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
Power On	AT/ATX Supported – AT : Directly PWR on as Power input ready – ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	– CE, FCC, RoHS, REACH
Environment	
Temperature	– Operating: 0°C ~ 60°C
	– Storage: -20°C ~ 85°C
Warranty	
Warranty	– 2 Years Limited Warranty