



HBJC420U691(W) Series

Intel® Apollo Lake N3350/J3455 Processor, 2 * HDMI, 1 * VGA



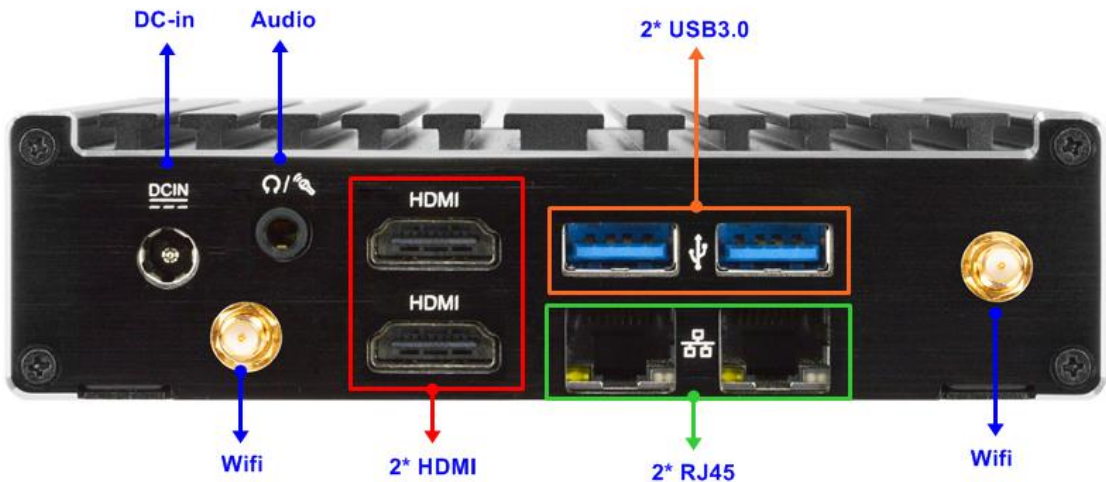
Product Introduction

The JETWAY HBJC420U691 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.

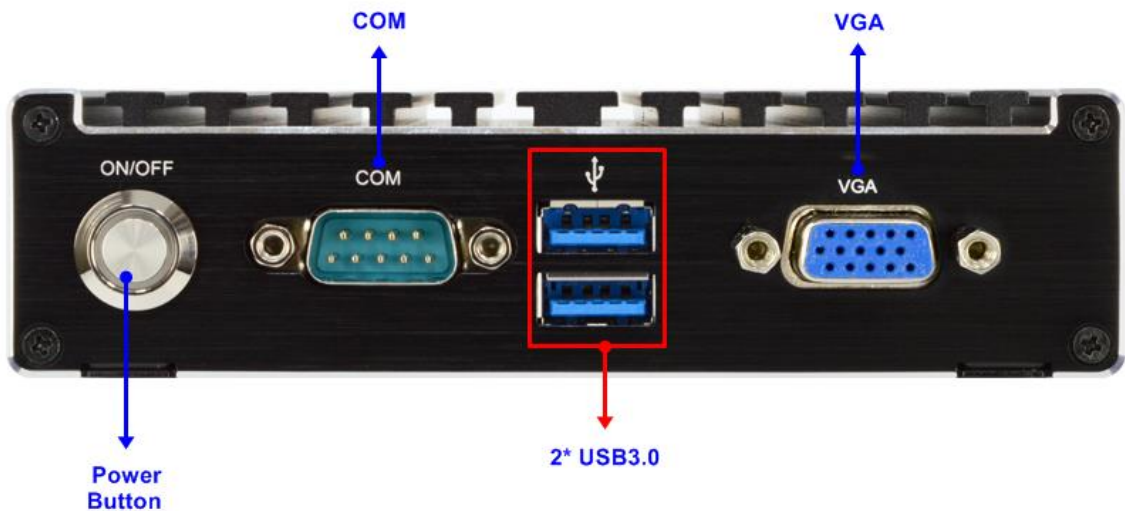
In addition, it offers 4 * USB3.0 ports which can connect different peripherals, e.g. camera and sensor. It is flexible expansion via Mini PCIe slot, SIM card holder, and one RS232 port. An internal Mini-SATA slot provide storage selection. In addition, HBJC420U691 size is 129 * 109.4 * 34 mm and is a SubCompact, powerful and energy efficient NUC form factor fanless box system with reliable performance.

External I/O

Rear



Front



Functional characteristics

1. Intel® Apollo Lake N3350/J3455 SoC Processor.
2. 1* 204-pin DDR3L 1866MHz SODIMM Up to 8 GB
3. 2* 10/100/1000 Base-TX Ethernet Ports
4. Support Intel AES NI and TPM2.0 to secure customers' data
5. 4* Ext USB3.0, 1* Line-Out/MIC, 2* HDMI, 1* VGA
6. 1* full size mSATA, 1* half size Mini PCIe Slot, 1* SIM card holder
7. 12V DC-in power

Application

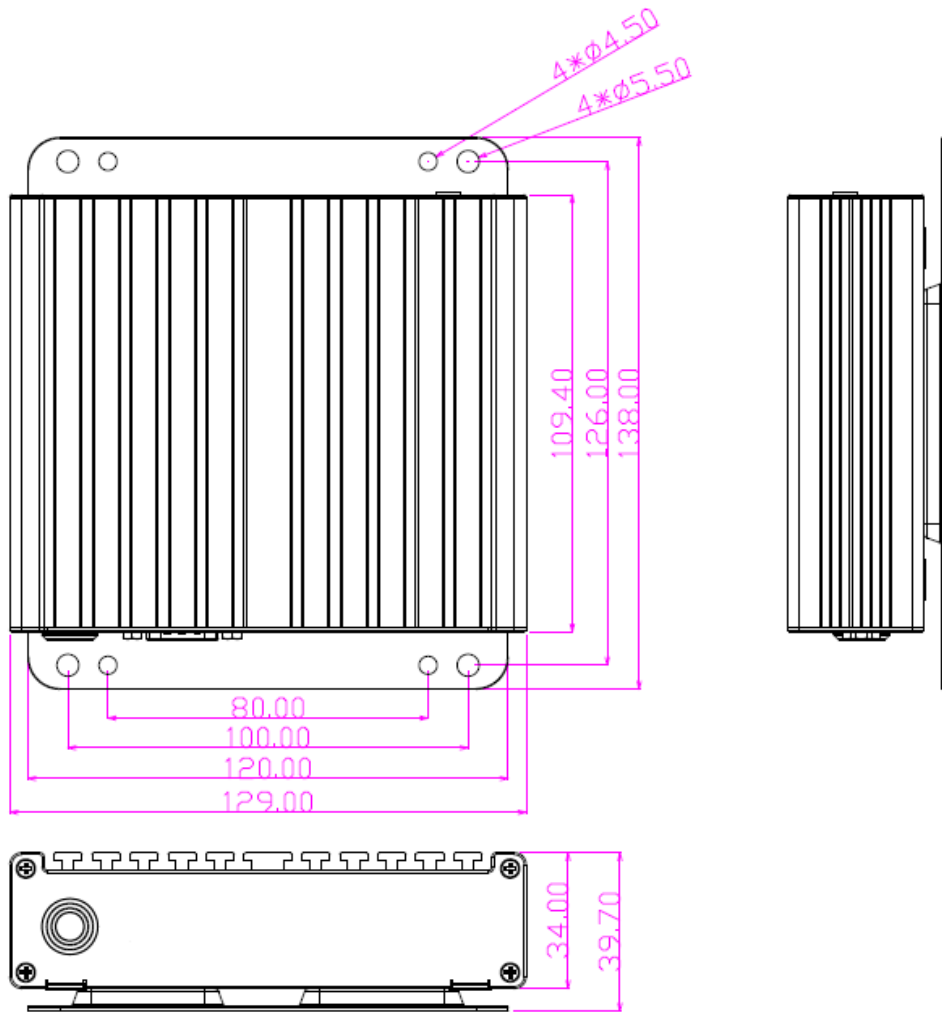
- Digital Signage
- Cloud Applications
- IoT
- Industrial Automation

Specifications

MB Model	<ul style="list-style-type: none"> ● JNU691-3350 (NUC) ● JNU691-3455 (NUC)
Part No	<ul style="list-style-type: none"> ● HBJC420U691-335B / HBJC420U691-345B (non-WIFI) ● HBJC420U691W-335B / HBJC420U691W-345B (WIFI)
BIOS	<ul style="list-style-type: none"> ● AMI Flash ROM
CPU/Chipset	<ul style="list-style-type: none"> ● Intel Apollo Lake N3350 Dual Core SoC Processor (up to 2.4GHz, 6W) ● Intel Apollo Lake J3455 Quad Core SoC Processor (up to 2.3GHz, 10W)
Memory	<ul style="list-style-type: none"> ● Support 1 * 204-pin SO-DIMM DDR3L-1866MHz (Max. 8GB)
Support TPM	<ul style="list-style-type: none"> ● TPM 2.0 on board
Storage	<ul style="list-style-type: none"> ● 1 * full-size mSATA/Mini-PCI Express shared slot
Network	<ul style="list-style-type: none"> ● 2 * Realtek RTL8111H GbE ● 1 * half-size Mini-PCIe slot (for WIFI model) ● 1 * SIM card slot
Rear Panel I/O	<ul style="list-style-type: none"> ● 2 * USB 3.0 ports ● 2 * HDMI (Max. 3840x2160@30Hz resolution) ● 2 * RJ45 ● 1 * Audio (Line-out/MIC Combo) ● 2 * Antenna holes ● 1 * DC-in jack
Front Panel I/O	<ul style="list-style-type: none"> ● 1 * Power button + Power LED ● 1 * COM(RS232/RS422/RS485) ● 2 * USB 3.0 ports ● 1 * VGA (Max. 1920x1200@60Hz resolution)
Power Source	<ul style="list-style-type: none"> ● AC-DC Adapter / DC12V_3.3A_40W ● AC 90~240V input
Compliance	<ul style="list-style-type: none"> ● CE, FCC, RoHS, ErP Ready
Temperature	<ul style="list-style-type: none"> ● Operating Temperature: 0 ~ 50 °C ● Storage Temperature: -20 ~ 80 °C
Dimensions	<ul style="list-style-type: none"> ● 129 (W) x 109.4 (D) x 34 (H) mm
Packing	<ul style="list-style-type: none"> ● Net Weight: 0.6KG ● Gross Weight: 1.4KG ● Color Box dimension: 158 (W) * 167 (D) * 123.6 (H) mm
OS Support	Windows 10, Linux
Warranty	2 Years limited warranty

*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Mechanical Drawings (Unit = mm)



Optional Accessories

Parts Number	Description
-----	HBJC420U691-XXXB
G03-NU691-F	IPC JNU691 M/B User's Manual
G02-DVD24-A3-WF	Driver DVD-ROM
HLMAP-FSP040-F	Adapter 12V/3.33A 40W
-----	Power cord
HCS310MWM01B-1F	VESA mount / Black color
LCSCHBJC3XX-F	Screw pack
J05-ANT-AN2400-F	Antenna2G4 -2dBi R-AN2400-5701RS (Wifi model only)
HCS3XXDINRAILPS-F	Din Rail Clip