



## HBJC420U691-345B Series

Intel® Apollo Lake SoC Processor, 2 \* HDMI, 1 \* VGA



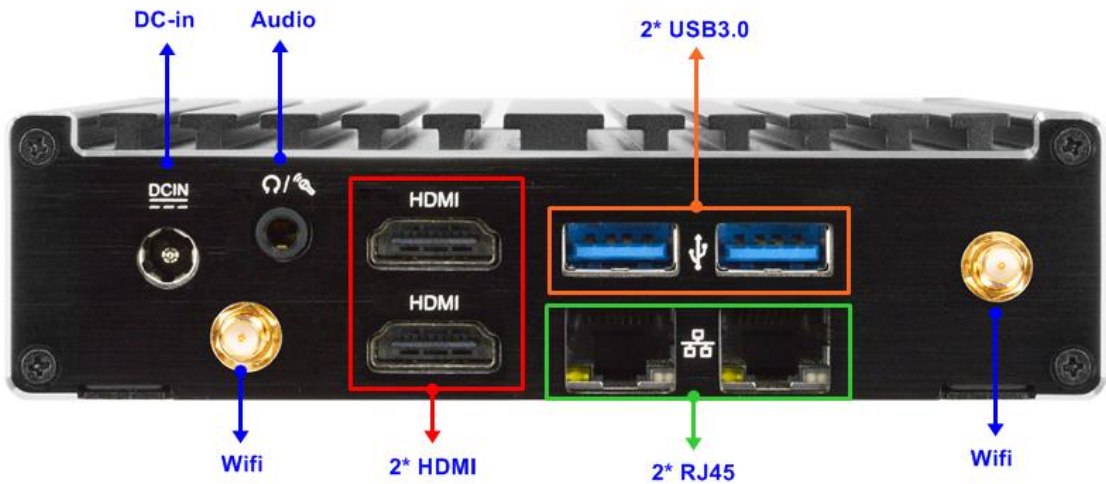
### Product Introduction

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.

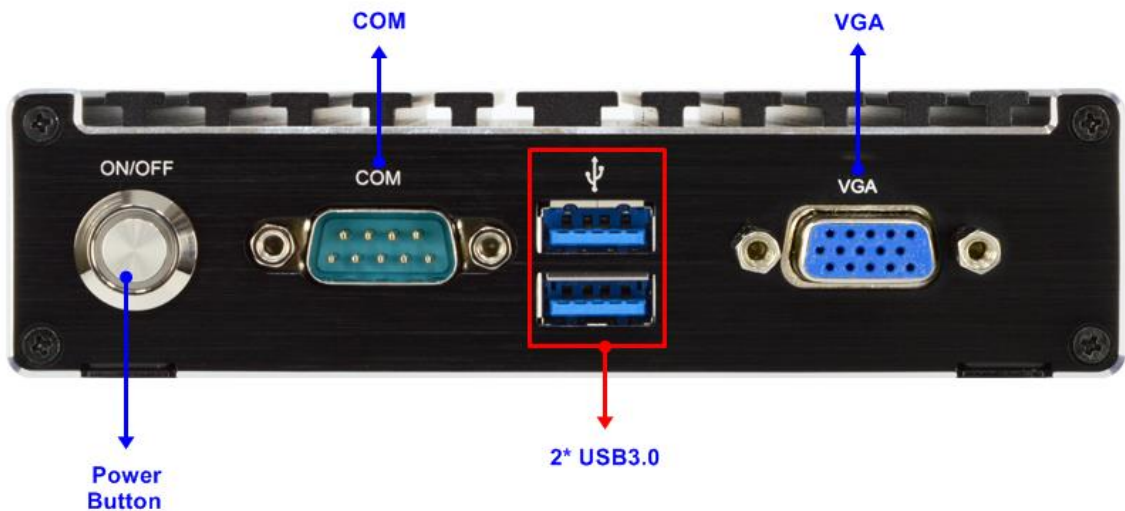
In addition, it offers 4 \* USB3.0 ports which can connect different peripherals, e.g. camera and sensor. It is flexible expansion via Mini PCIe slot, SIM card holder, and one RS232 port. An internal Mini-SATA slot provide storage selection. In addition, HBJC420U691 size is 129 \* 109.4 \* 34 mm and 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 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

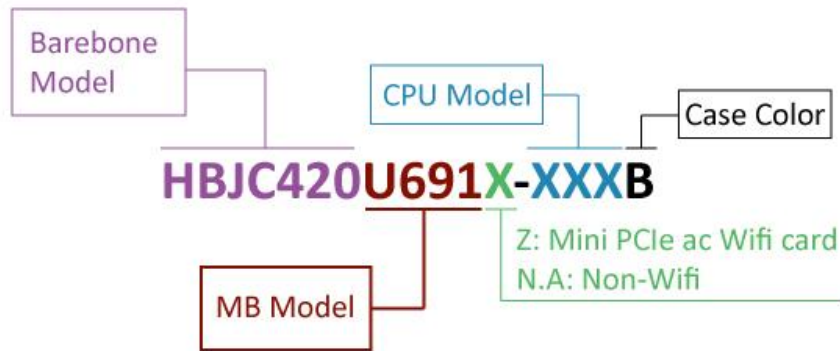
- Digital Signage
- Cloud Applications
- IoT
- Industrial Automation

## Specifications

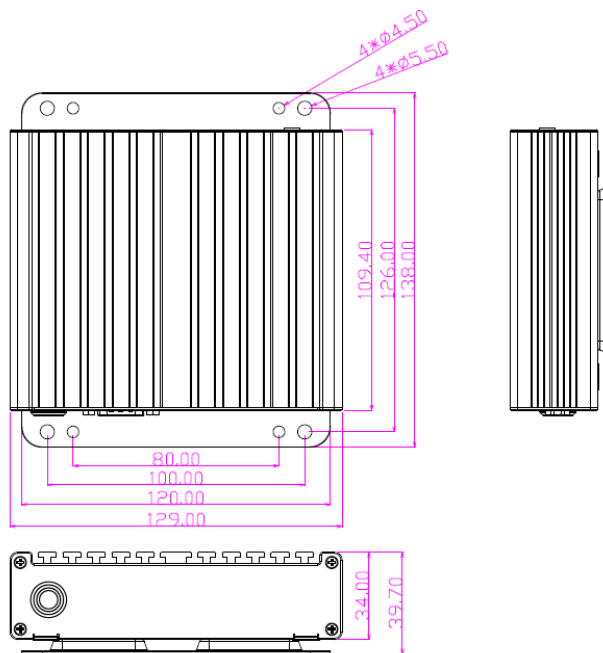
<b>MB Model</b>	<ul style="list-style-type: none"> <li>● JNU691-3350 (NUC)</li> <li>● JNU691-3455 (Default) (NUC)</li> </ul>	
<b>Part No</b>	<b>Non-Wifi</b>	<b>Mini PCIe ac Wifi card</b>
	<ul style="list-style-type: none"> <li>● HBJC420U691-335B</li> <li>● HBJC420U691-345B (Default)</li> </ul>	<ul style="list-style-type: none"> <li>● HBJC420U691Z-335B</li> <li>● HBJC420U691Z-345B</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>● AMI Flash ROM</li> </ul>	
<b>CPU/Chipset</b>	<ul style="list-style-type: none"> <li>● Intel Apollo Lake N3350 Dual Core SoC Processor (up to 2.4GHz, 6W)</li> <li>● Intel Apollo Lake J3455 Quad Core SoC Processor (up to 2.3GHz, 10W)</li> </ul>	
<b>Memory</b>	<ul style="list-style-type: none"> <li>● Support 1 * 204-pin SO-DIMM DDR3L-1866MHz (Max. 8GB)</li> </ul>	
<b>TPM 2.0</b>	<ul style="list-style-type: none"> <li>● on board (option)</li> </ul>	
<b>Storage</b>	<ul style="list-style-type: none"> <li>● 1 * full-size mSATA/Mini-PCI Express shared slot</li> </ul>	
<b>Network</b>	<ul style="list-style-type: none"> <li>● 2 * Realtek RTL8111H GbE</li> <li>● 1 * half-size Mini-PCIe slot (for WIFI model)</li> <li>● 1 * SIM card slot</li> </ul>	
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>● 2 * USB 3.0 ports</li> <li>● 2 * HDMI (Max. 3840x2160@30Hz resolution)</li> <li>● 2 * RJ45</li> <li>● 1 * Audio (Line-out/MIC Combo)</li> <li>● 2 * Antenna holes</li> <li>● 1 * DC-in jack</li> </ul>	
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>● 1 * Power button + Power LED</li> <li>● 1 * COM(RS232/RS422/RS485)</li> <li>● 2 * USB 3.0 ports</li> <li>● 1 * VGA (Max. 1920x1080@60Hz resolution)</li> </ul>	
<b>Power Source</b>	<ul style="list-style-type: none"> <li>● AC-DC Adapter / DC12V_40W</li> <li>● AC 90~240V input</li> </ul>	
<b>Compliance</b>	CE, FCC, RoHS, ErP Ready	
<b>Temperature</b>	Operating Temperature: 0 ~ 60 °C Storage Temperature: -20 ~ 80 °C	
<b>Dimensions</b>	129 (W) x 109.4 (D) x 34 (H) mm	
<b>Packing</b>	<ul style="list-style-type: none"> <li>● Net Weight: 0.6KG</li> <li>● Gross Weight: 1.4KG</li> <li>● Color Box dimension: 158 (W) * 167 (D) * 123.6 (H) mm</li> </ul>	
<b>OS Support</b>	Windows 10, Linux	
<b>Warranty</b>	2 Years limited warranty	

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

## Part Number Rule



## Mechanical Drawings (Unit = mm)



## Standard Accessories

Parts Number	Description
-----	HBJC420U691 Series
L01AS050-F	Adapter 12V/40W
Change according to shipping area	Power cord
HCS310MWM01B-1F	VESA mount / Black color
LCSCHBJC3XX-F	Screw pack
HNSCOMWFAWCB161HF	Mini PCIe ac Wifi card (Wifi only)
J05-ANT-GX57245-F	Antenna 2G4/5G 2.8dBi GX572450001SM (Wifi only)
HCS3XXDINRAILPS-F	Din Rail Clip