



# HBFBU691-3455-B Series

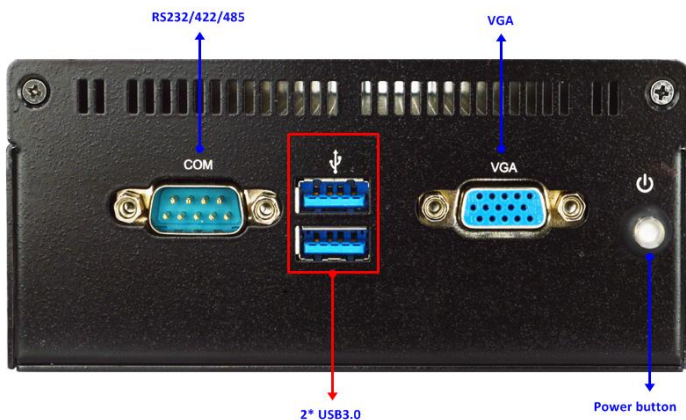
Intel® Apollo Lake J3455 SoC Processor, NUC form factor Motherboard Fanless System

1. Intel® Apollo Lake J3455 SoC Processor
2. Support 1\* SO-DIMM DDR3L-1866MHz up to 8GB
3. 1\* VGA, 2\* HDMI
4. 4\* USB3.0, 1\* RS232/422/485, 2\* GbE, 1\*Audio
5. FSP DC12V\_40W ADAPTER

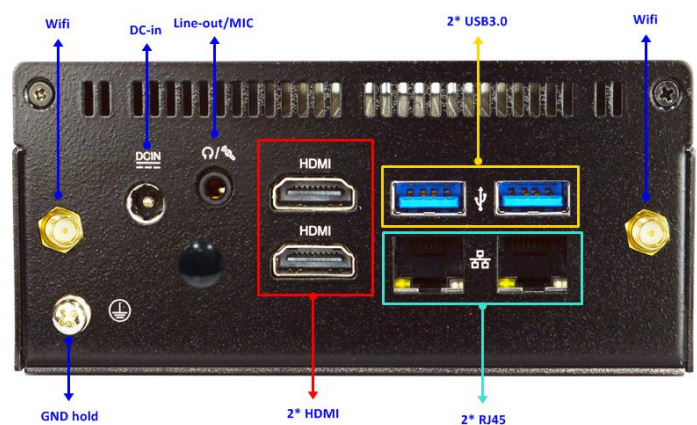


## External I/O

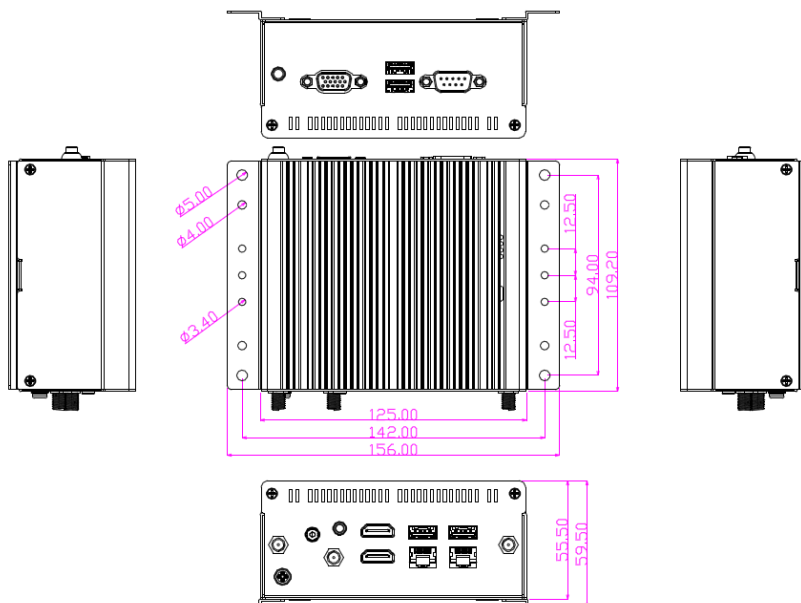
### Front



### Rear



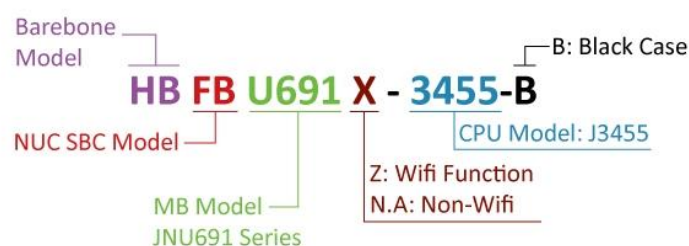
## Mechanical Drawings (Unit = mm)



## Specifications

<b>M/B Model</b> JNU691B-3455	<b>Part No</b> • HBFBU691-3455-B • HBFBU691Z-3455-B (support Mini PCIe ac WiFi)
<b>BIOS</b> AMI UEFI	<b>CPU/Chipset</b> Intel® Apollo Lake J3455 SoC Processor (Quad Core, 1.50/2.30 GHz)
<b>Memory</b> Support 1 * DDR3L 1866MHz SO-DIMM up to 8GB	<b>Network</b> • 2 * Realtek RTL8111H GbE • Mini PCIe ac Wifi card (HBFBU691Z-3455-B only)
<b>Storage</b> Support 1 * mSATA (full size) Device 1 * 2.5" SATA drive bay for HDD or SSD (only support 2.5" HDD with a height ≤ 10mm)	<b>Expansion</b> 1 * half size Mini PCIe slot for WiFi module
<b>Rear Panel I/O</b> • 2 * USB 3.0 • 2 * HDMI (Max. resolution: 3840x2160@30Hz) • 2 * GbE • 1 * GND hold • 1 * Line-out/MIC combo • 1 * DC-in jack	<b>Front Panel I/O</b> • 1 * VGA (Max. resolution: 1920x1080@60Hz) • 2 * USB 3.0 • 1 * COM (RS232/422/485) • 1 * power button
<b>Compliance</b> CE, FCC, RoHS, ErP	<b>Power Source</b> • Adapter: AC 90~240V / DC12V / 40W • MB: 12V DC input
<b>Temperature</b> • Operating Temperature: 0 ~ 50° C with air flow (mSATA) • Storage Temperature: -40 ~ 85° C • Humidity: 10% ~ 95% RH @40°C (non-condensing)	<b>Dimensions</b> System : 125 (W) x 109.2 (D) x 55.5 (H) mm
<b>Audio</b> HD Audio: Realtek ALC662VD	<b>Warranty</b> 2 Years limited warranty
<b>Packing</b> • Net Weight : 0.9KG • Gross Weight : 1.3KG • Color Box Dimension : 158(W) x 167(D) x 123.6(H) mm	<b>* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.</b>

## Part Number Rules



## Standard Accessories

Parts Number	Description	Parts Number	Description
-----	1*HBFBU691-3455-B Series	Change according to shipping area	1*Power cord
L01AS050-F	1*Adapter 12V/40W	LCSCBJC3XX-F	1*Screw Pack
J05-ANT-GX57245-F	2*Antenna 2G4-2dBi R-AN2400-5701RS (WiFi only)		