

*Intel® Braswell N3160 SoC processor, DDR3L up to 8GB, 2\* HDMI, 1\*DP, 12V DC-in*

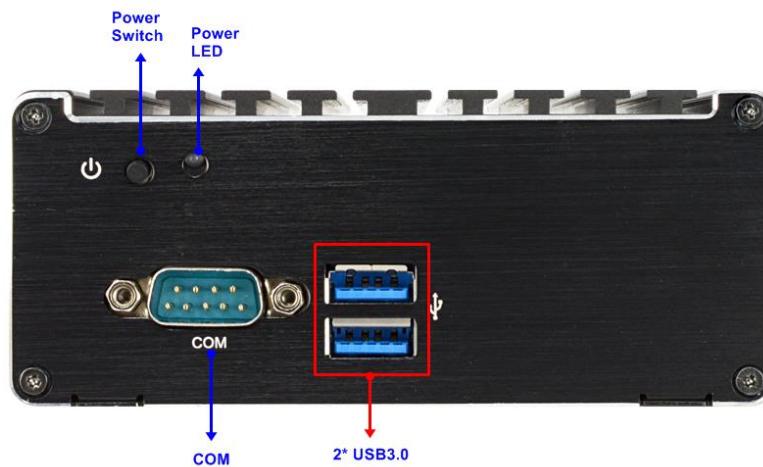
## Features

1. Intel® Braswell N3160 SoC Processor 1.6GHz (up to 2.24GHz)
2. Support 1\* DDR3L-1600MHz SO-DIMM up to 8GB
3. 2\* Realtek RTL8119I GbE
4. 1\* COM, 1\* SIM card holder, 1\* half size Mini PCIe slot  
(for mini-PCIe WiFi module)
5. 2\* HDMI, 1\* DP, support Triple Independent Displays
6. 12V DC-in, DC12V\_40W Adapter

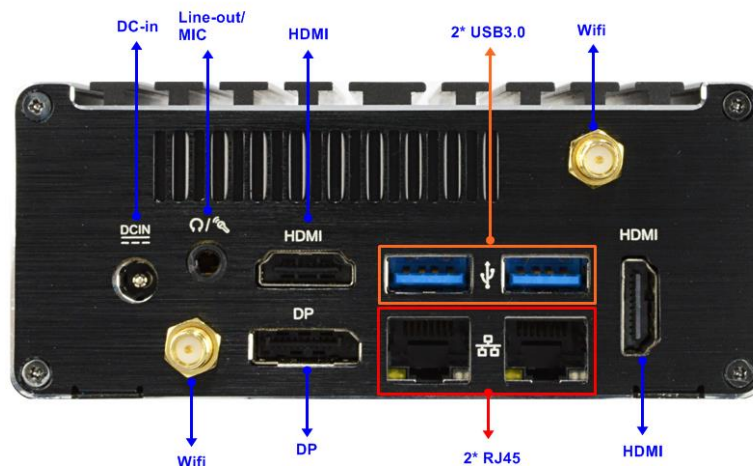


intel. FC CE RoHS COMPLIANT

## Front I/O



## Rear I/O



## Specifications

### Model

- HBJC313U591-316R (CPU: N3160)
- HBJC313U591Z-316R (CPU: N3160, Wifi)

### BIOS

AMI 64Mb Flash ROM BIOS

### Network

2\* Realtek RTL8119I GbE

### Storage

1\* mSATA (Shared with full size Mini PCIe)

### Rear Panel I/O

- 2\* USB 3.0
- 2\* HDMI
- 1\* DP
- 2\* RJ45
- 1\* Line-out/MIC Combo
- 1\* DC-in jack
- Wi-Fi (Option)

### Internal Connector

1\* SIM card holder

### Compliance

CE, FCC, RoHS, ErP Ready

### Temperature

- Operating Temperature: 0° C ~ 50° C with air flow (mSATA)
- Storage Temperature: -10° C ~ 70° C

### 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.

### CPU / Chipset

Intel® Braswell N3160 SoC Processor 1.6GHz (up to 2.24GHz) (TDP 6W)

### Memory

1\* DDR3L 1600MHz SO-DIMM up to 8GB

### Graphics

- Intel® HD Graphics, shared memory
- 2\* HDMI (Max. Resolution: 3840 \* 2160@30Hz)
- 1\* DP (Max. Resolution: 3840 \* 2160@30Hz)
- Support Triple Displays

### Expansion

1\* Mini-PCIe (Half size)

### Front Panel I/O

- 2\* USB 3.0
- 1\* COM (Max)
- 1\* Power button
- 1\* Power LED

### Power Source

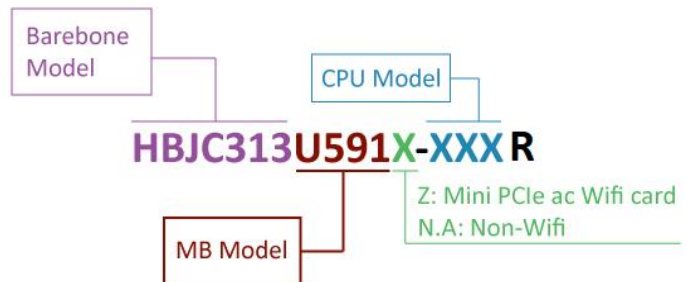
- JNU591R-3160 MB : DC-in 12V
- Adapter : AC\_90~240V / DC\_12V / 40W

### Dimensions

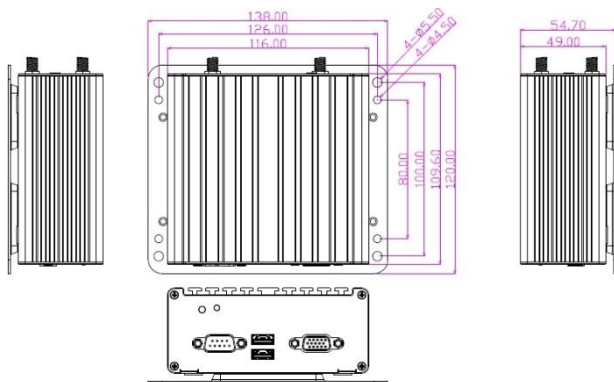
System: 116 (W) x 110 (D) x 49 (H) mm

Box: 158 (W) x 167 (D) x 123.6 (H) mm

## Part Number Rules



## Mechanical Drawings (Unit=mm)



## Standard Accessories

Part Number	Description
-----	HBJC313U591-316R Series
L01AS050-F	Adapter 12V/3.3A 40W
Change according to shipping area	Power cord
HCS310MWM01B-2F	JC3XX/4XX Wall+VESA mount bracket
LCSCBJC3XX-F	Screw Pack
HCS3XXDINRAILPS-F	Din Rail Clip
HNSCOMWFAWCB161HF	Mini PCIe ac Wifi card (Wifi only)
J05-ANT-GX57245-F	Antenna2G4/5G 2.8dBi GX572450001SM (Wifi only)