

HBFBU02 Series

Intel® Apollo Lake J3455 SoC Processor, NUC form factor Motherboard with 32GB onboard eMMC
Fanless System, support 3 Independent Display outputs (2* HDMI, 1* DP)

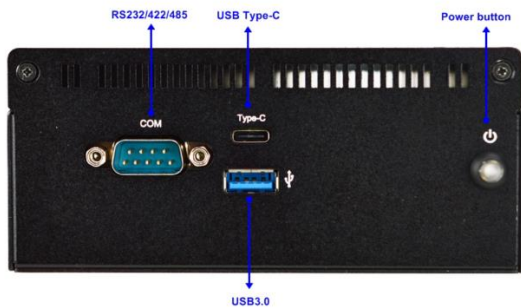


1. Intel® Apollo Lake J3455 SoC Processor
2. Support 1* SO-DIMM DDR3L-1866MHz up to 8GB
3. 32GB eMMC onboard (Default), 1* DP, 2* HDMI
4. 3* USB3.0, 1* USB type-C, 1* RS232/422/485, 2* 2.5GbE, 1*Audio
5. 12V DC-in

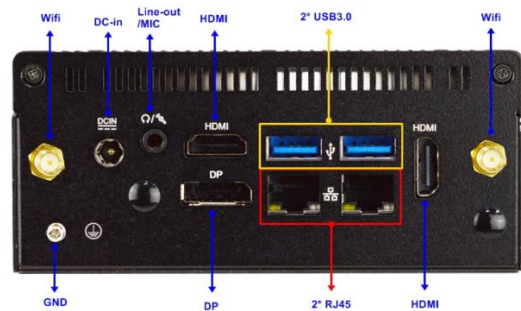


External I/O

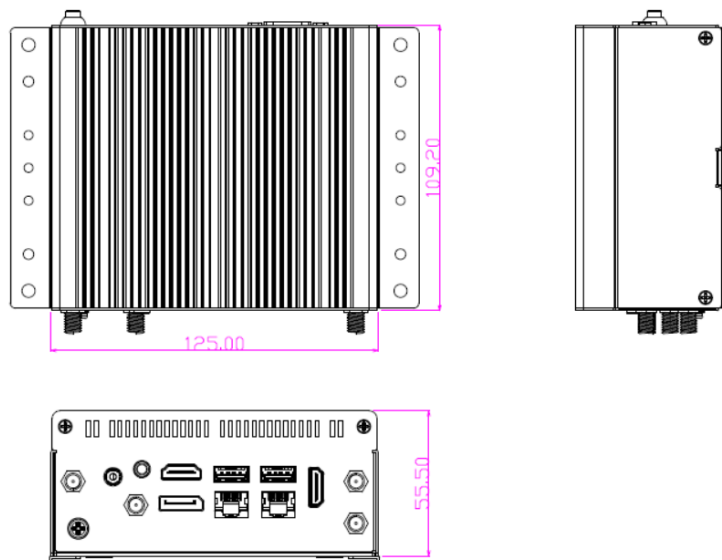
Front



Rear



Mechanical Drawings (Unit = mm)

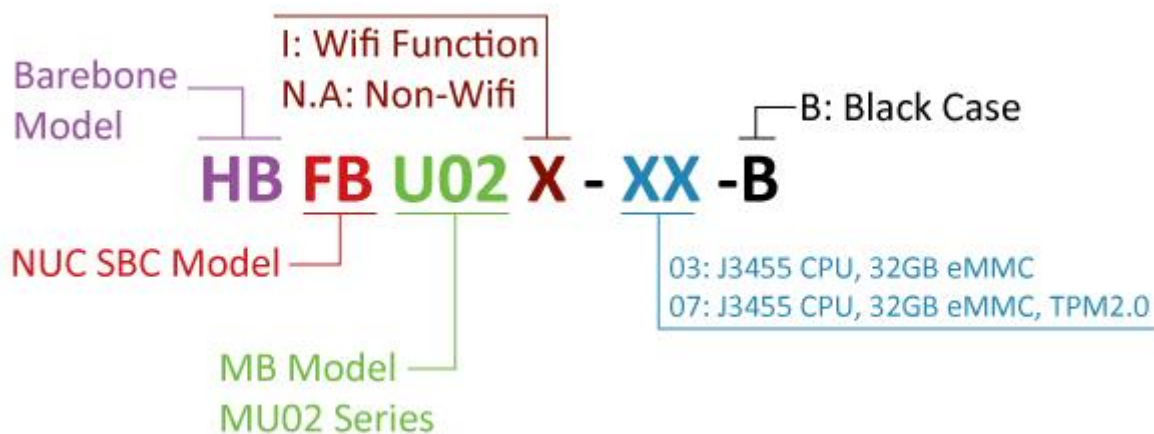


Specifications

M/B Model <ul style="list-style-type: none"> MU02-03B (32GB eMMC) MU02-07B (32GB eMMC, TPM2.0) 	Part No <table border="1"> <tr> <td>32GB eMMC</td> <td>32GB eMMC and TPM2.0</td> </tr> <tr> <td>- HBFBU02-03-B</td> <td>- HBFBU02-07-B</td> </tr> <tr> <td>- HBFBU02I-03-B (Wifi)</td> <td>- HBFBU02I-07-B (Wifi)</td> </tr> </table>	32GB eMMC	32GB eMMC and TPM2.0	- HBFBU02-03-B	- HBFBU02-07-B	- HBFBU02I-03-B (Wifi)	- HBFBU02I-07-B (Wifi)
32GB eMMC	32GB eMMC and TPM2.0						
- HBFBU02-03-B	- HBFBU02-07-B						
- HBFBU02I-03-B (Wifi)	- HBFBU02I-07-B (Wifi)						
BIOS AMI UEFI	CPU/Chipset Intel® Apollo Lake J3455 SoC Processor (Quad Core, 1.50/2.30 GHz)						
Memory Support 1 * DDR3L 1866MHz SO-DIMM up to 8GB	Network <ul style="list-style-type: none"> 2 * RTL8125BS 2.5GbE 802.11 b/g/n/ac WiFi (HBFBU02I-34553-B / HBFBU02I-34557-B only) 						
Storage <ul style="list-style-type: none"> Support 1 * M.2 (M-key, 2242), SATA interface 32GB onboard eMMC (default) 	Expansion 1* M.2 (E-key, 2230), PCIe1/USB2.0 interface for WiFi module						
Rear Panel I/O <ul style="list-style-type: none"> 2 * USB 3.0 2 * HDMI (Max. resolution: 3840x2160@30Hz) 1 * DP (Max. resolution: 4096x2160@60Hz) 2 * RJ45 (2* 2.5GbE) 1 * GND hold 1 * Line-out/MIC combo 1 * DC-in jack 	Front Panel I/O <ul style="list-style-type: none"> 1 * USB 3.0 1 * USB type-C 1 * COM (RS232/422/485) 1 * power button 						
Compliance CE, FCC, RoHS, ErP	Power Source <ul style="list-style-type: none"> Adapter: AC 90~240V / DC12V / 40W MB: 12V DC input 						
Temperature <ul style="list-style-type: none"> Operating Temperature: 0 ~ 50° C with air flow (mSATA) Storage Temperature: -10 ~ 70° C Humidity: 90%, non-condensing 	Dimensions 125 (W) x 109 (D) x 55 (H) mm						
Audio Dual channel HD Audio: Realtek ALC662VD	Warranty 2 Years limited warranty						

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

Part Number Rules



Accessories

Parts Number	Description	Parts Number	Description
-----	HBFBU02 Series	Change according to shipping area	Power cord
L01AS050-F	Adapter 12V-40W	LCSCHBJC3XX-F	Screw Pack
J05-ANT-GX57245-F	Antenna 2.4G/5G 2.8dBi (WIFI only)	HNSCOMWFAC9260-1F	WIFI Intel AC 9260NGW AC+BT5 M.2 2230 (Wifi only)