



HBFDF04 Series

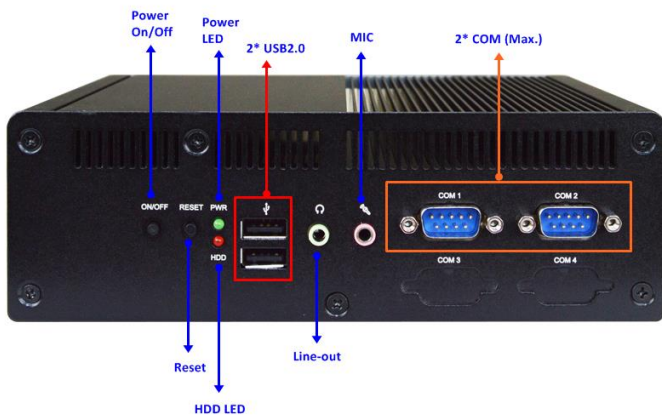
Intel® Elkhart Lake SoC processor, DDR4 up to 32GB, 2 HDMI, 12~24V DC-in*

1. Intel® Elkhart Lake SoC Processor (Default: J6412)
2. Support 2 * SO-DIMM DDR4-3200MHz up to 32GB
3. All-aluminum body, produced by casting process
4. 12~24V DC-in

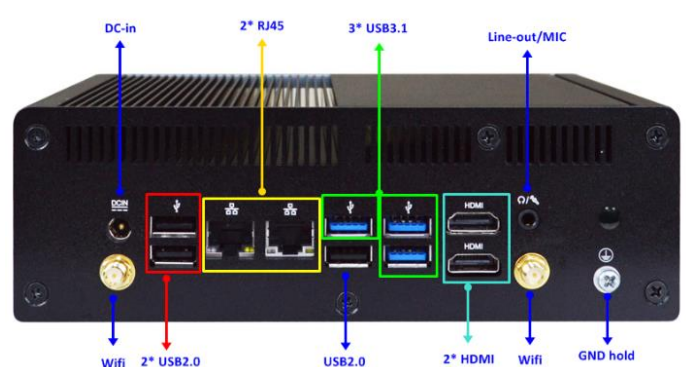


External I/O

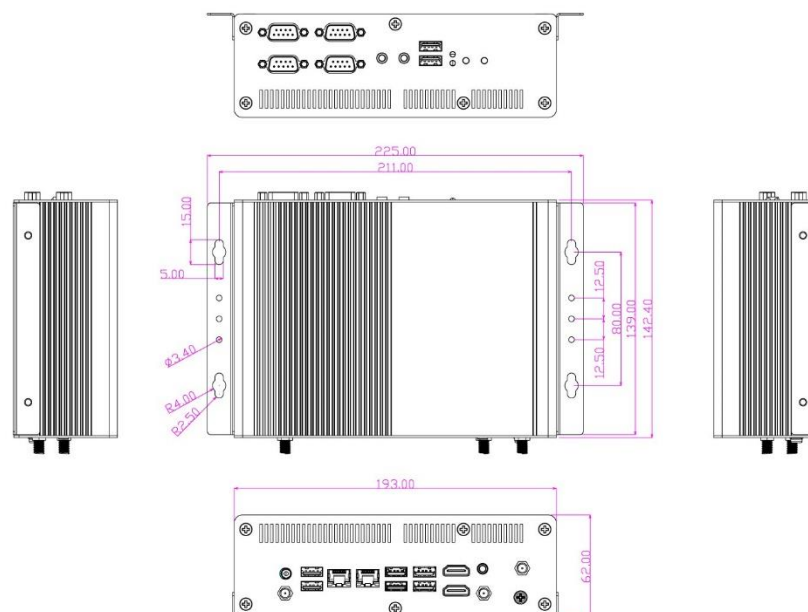
Front



Rear



Mechanical Drawings (Unit = mm)



Specifications

M/B Model	Part No
- MF04-03B (J6412 CPU_10W, 32GB eMMC, Default) - MF04-07B (J6412 CPU_10W, 32GB eMMC, TPM2.0)	Non-WiFi - HBFDF04-6412B (Default) M.2 ac WiFi card - HBFDF04-6412B TPM2.0 - HBFDF04-6412T
BIOS	CPU/Chipset
AMI Flash ROM	Intel® Elkhart Lake SoC Processor (Default: J6412, TDP 10W)
Memory	Network
2* SO-DIMM slots DDR4-3200MHz up to 32GB	1* Intel® i211AT GbE 1* Intel® i225LM 2.5GbE
Storage	Expansion
1* SATAIII 32GB onboard eMMC (default) 1* M.2 M-key (2242/2280) PCIe Gen.3 x2/SATA interface Support NVME	1* M.2 B-key (3042) Support USB3.1/USB2.0 interface 1* M.2 E-key (2230) Support USB2.0/PCIe Gen.3 x1 interface
Rear Panel I/O	Front Panel I/O
3* USB3.1 (Gen2) 3* USB2.0 2* HDMI 2* RJ45 - Line-out/MIC combo jack - DC-in (12~24V)	1* Power SW, 1* Reset 1* Power LED, 1* HDD LED 1* MIC 1* Line-out 2* COM (COM1 support RS485) 2* USB2.0
Compliance	Power Source
CE, FCC, LVD, RoHS, ErP Ready	- Adapter / AC 90~240V input / DC12V-60W - MB: support 12~24V DC-in
Temperature	Dimensions
- Operating Temperature: 0 ~ 50° C - Storage Temperature: -20 ~ 85° C - Humidity: 10% ~ 90% RH @40°C (non-condensing)	193 (W) x 142.4 (D) x 62 (H) mm
OS Support	Warranty
Windows 10, Linux	2 Years limited warranty
Packing	Part Number Rule
- Net Weight: 2.2KG - Gross Weight: 3.5KG - Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm	Barebone Model 3.5" SBC Model MB Model MF04 Series I: Wifi function N.A: Non-Wifi B: Standard T: TPM CPU Model

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

Accessories

Parts Number	Description	Parts Number	Description
-----	HBFDF04 Series	HCS3XXDINRAILPS-F	DIN RAIL Kits
L01AS053-F	Adapter 12V-60W	HCSFDMWM01B-F	WALL MOUNT
Change according to shipping area	Power cord	J05-ANT-GX57245-F	Antenna 2G4/5G GX572450001SM (WIFI only)
LCSCBFDXXX-F	Screw Pack	HNSCOMWFAC9260-1F	M.2 ac WiFi card (WIFI only)