



HBFDF10 Series

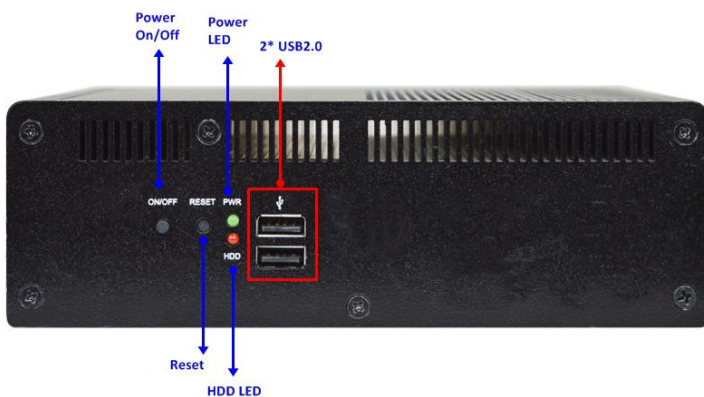
Intel® Tiger Lake-UP3 SoC processor, DDR4 up to 64GB

1. Intel® Tiger Lake-UP3 SoC Processor (TDP 15W)
2. 2* DDR4 3200MHz SO-DIMM up to 64GB
3. 2* HDMI, 2* DP1.4 (from Type-C), 1* eDP, 1* RS232, 3* USB3.2 (Gen.2), 3* USB2.0, 2* USB3.2 (Gen. 2) Type-C support DP1.4 display output
4. Support Four independent 4K HDR Display
5. DC 12V 90W Adapter

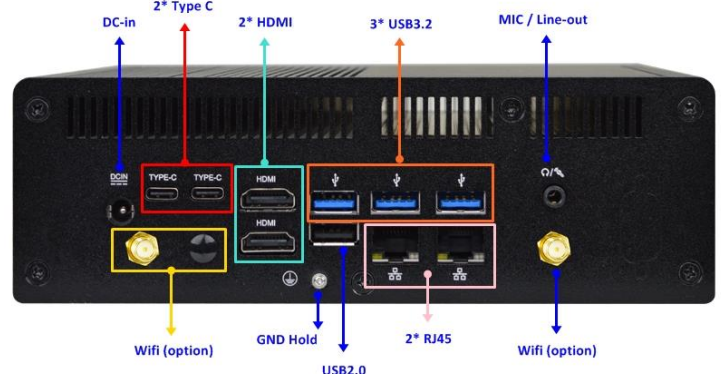


External I/O

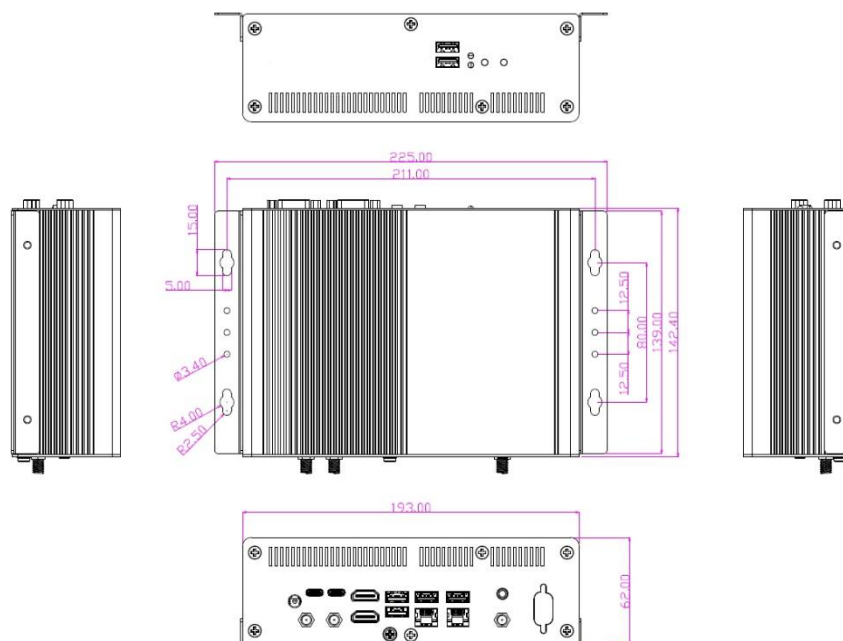
Front



Rear



Mechanical Drawings (Unit = mm)



Specifications

M/B Model

- MF10-20 (i5-1145G7E / Default)
- MF10-22 (i5-1145G7E / TPM2.0)
- MF10-90 (i5-1135G7)
- MF10-92 (i5-1135G7 / TPM2.0)

BIOS

AMI 128MB SMT Flash ROM

Memory

2* DDR4 3200MHz SO-DIMM up to 64GB

Network

- 1* Intel i219-LM 1.0GbE
- 1* Intel i225V 2.5GbE

Rear Panel I/O

- 3* USB3.2(Gen2)
- 1* USB2.0
- 2* USB3.2 (Gen.2) Type-C support DP1.4 display output
- 2* RJ45
- 2* HDMI
- 1* Line-out/MIC Combo
- 1* COM or GPIO (Option)
- 3* Antenna holes (Option)
- 1* DC-in

Compliance

CE, FCC, LVD, RoHS

Temperature

- Operating Temperature: -20 ~ 50° C (Under the condition of using M.2 interface SSD)
- Operating Temperature: 0 ~ 50° C (Under the condition of using 2.5" SATA HDD) (The test environment is closed and windless)
- Storage Temperature: -20 ~ 70° C
- Humidity: Between 40% and 60%, non-condensing

Dimensions

193 (W) x 142.4 (D) x 62 (H) mm

Packing

- Net Weight: 2.2KG
- Gross Weight: 3.2KG
- Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm

OS Support

Windows 10, Linux

Warranty

2 Years limited warranty

Part No

Non-WiFi

- HBFDF10-45G7-B (Default)
- HBFDF10-45G7-T
- HBFDF10-35G7-B

M.2 ac WiFi card

- HBFDF10I-45G7-B (Default)
- HBFDF10I-45G7-T
- HBFDF10I-35G7-B
- HBFDF10I-35G7-T

CPU/Chipset

Intel® Tiger Lake-UP3 SoC Processor (TDP 15W), Default: 1145G7E

Storage

- 1* SATAIII (6Gb/s)
- M.2 M-key 2242/2280, PCIe 4.0 x4/SATA interface, support NVMe

Expansion

- M.2 E-key (2230) USB2.0/PCIex1 interface support CNVi
- M.2 B-Key 3042/3052 (USB3.1/USB2.0/PCIe x1)

Front Panel I/O

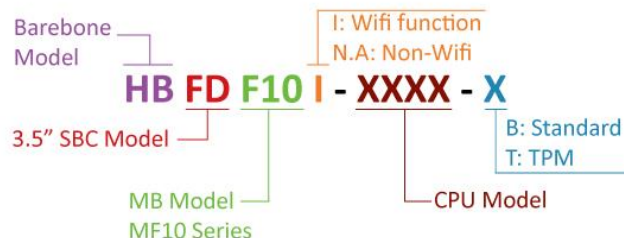
- 1* Power button
- 1* Reset button
- 1* Power LED
- 1* HDD LED
- 2* USB2.0

Power Source

- DC 12V/90W Adapter
- M/B: DC 12~24V input

* 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
-----	HBFD F10 SERIES	HCSFDMWM01B-F	FD Series Wall mount
L01AS064-F	DC 12V/90W Adapter	HCS3XXDINRAILPS-F	DIN RAIL Clip
Change according to shipping area	Power cord	J05-ANT-GX57245-F	Antenna (WiFi only)
LCSCBFDXXX-F	HBFX_Series Barebone Screw Pack	G01-COM-H2M20-1F	COM Cable