



HBFDF10 Series

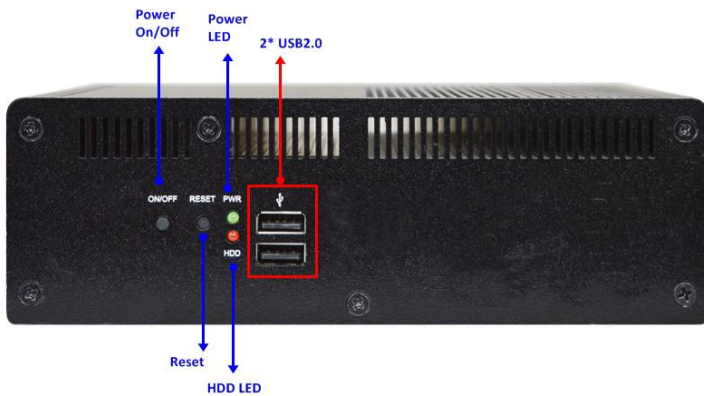
Intel® Tiger Lake-UP3 SoC processor, DDR4 up to 64GB

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

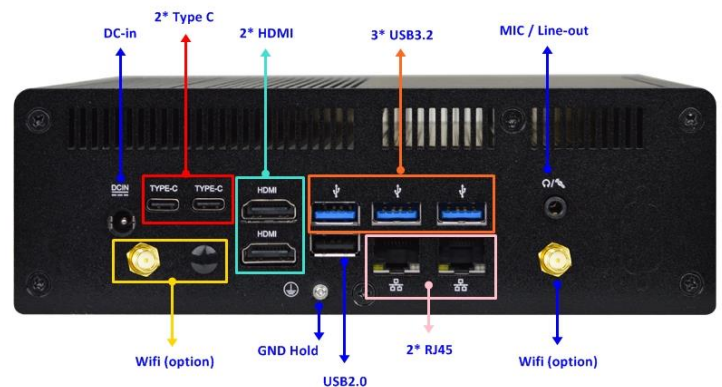


External I/O

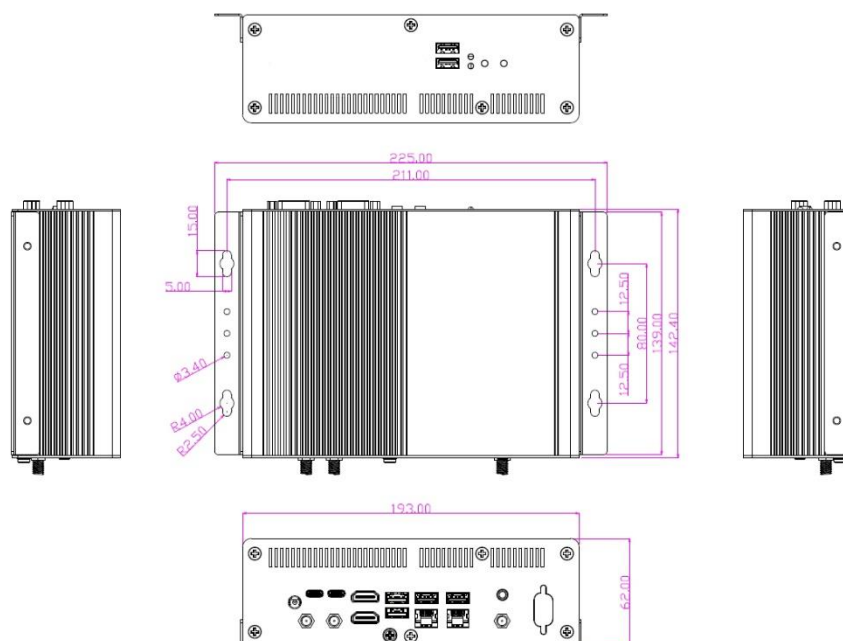
Front



Rear



Mechanical Drawings (Unit = mm)



Specifications

M/B Model <ul style="list-style-type: none"> MF10-20 (i5-1145G7E / Default) MF10-22 (i5-1145G7E / TPM2.0) MF10-90 (i5-1135G7) MF10-92 (i5-1135G7 / TPM2.0) 	Part No <table border="1"> <thead> <tr> <th>Non-WiFi</th> <th>M.2 ac WiFi card</th> </tr> </thead> <tbody> <tr> <td>• HBFDF10-45G7-B (Default)</td> <td>• HBFDF10I-45G7-B (Default)</td> </tr> <tr> <td>• HBFDF10-45G7-T</td> <td>• HBFDF10I-45G7-T</td> </tr> <tr> <td>• HBFDF10-35G7-B</td> <td>• HBFDF10I-35G7-B</td> </tr> <tr> <td>• HBFDF10-35G7-T</td> <td>• HBFDF10I-35G7-T</td> </tr> </tbody> </table>	Non-WiFi	M.2 ac WiFi card	• HBFDF10-45G7-B (Default)	• HBFDF10I-45G7-B (Default)	• HBFDF10-45G7-T	• HBFDF10I-45G7-T	• HBFDF10-35G7-B	• HBFDF10I-35G7-B	• HBFDF10-35G7-T	• HBFDF10I-35G7-T
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BIOS AMI 128MB SMT Flash ROM	CPU/Chipset Intel® Tiger Lake-UP3 SoC Processor (TDP 15W), Default: 1145G7E										
Memory 2* DDR4 3200MHz SO-DIMM up to 64GB	Storage <ul style="list-style-type: none"> 1* SATAIII (6Gb/s) M.2 M-key 2242/2280, PCIe 4.0 x4/SATA interface, support NVMe 										
Network <ul style="list-style-type: none"> 1* Intel i219-LM 1.0GbE 1* Intel i225V 2.5GbE 	Expansion <ul style="list-style-type: none"> M.2 E-key (2230) USB2.0/PCIex1 interface support CNVi M.2 B-Key 3042/3052 (USB3.1/USB2.0/PCIe x1) 										
Rear Panel I/O <ul style="list-style-type: none"> 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 	Front Panel I/O <ul style="list-style-type: none"> 1* Power button 1* Reset button 1* Power LED 1* HDD LED 2* USB2.0 										
Compliance CE, FCC, LVD, RoHS	Power Source <ul style="list-style-type: none"> DC 12V/90W Adapter M/B: DC 12~24V input 										
Temperature <ul style="list-style-type: none"> 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: -40 ~ 85° C Humidity: 10% ~ 95% RH @40°C (non-condensing) 	<p>* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.</p>										
Dimensions 193 (W) x 142.4 (D) x 62 (H) mm	Part Number Rules										
Packing <ul style="list-style-type: none"> Net Weight: 2.2KG Gross Weight: 3.2KG Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm 											
OS Support Windows 10&11, Linux											
Warranty 2 Years limited warranty											

Standard 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