

HBFD835-XXXX-V Series

Intel® Whiskey Lake-U/Comet Lake-U SoC Processor, support Type-C USB and 4K resolution

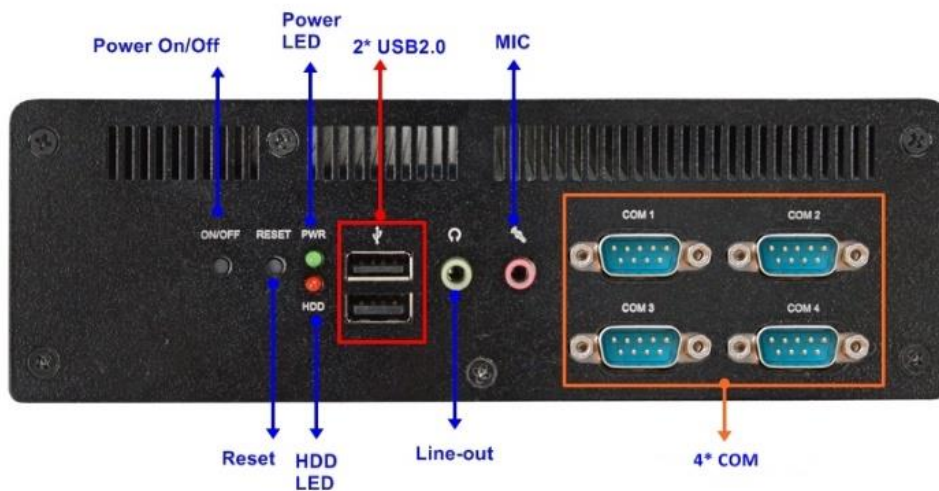
Features

1. Intel® Whiskey Lake-U/Comet Lake-U SoC Processor
2. 2* SO-DIMM DDR4-2400MHz up to 64GB
3. 2* USB2.0, 4* USB3.1 (Gen.2), 1* USB Type-C, 1* HDMI, 1* DP, 2* RJ45
4. Support Max. 4K display resolution
5. Adapter DC12V/90W
6. Support TPM2.0

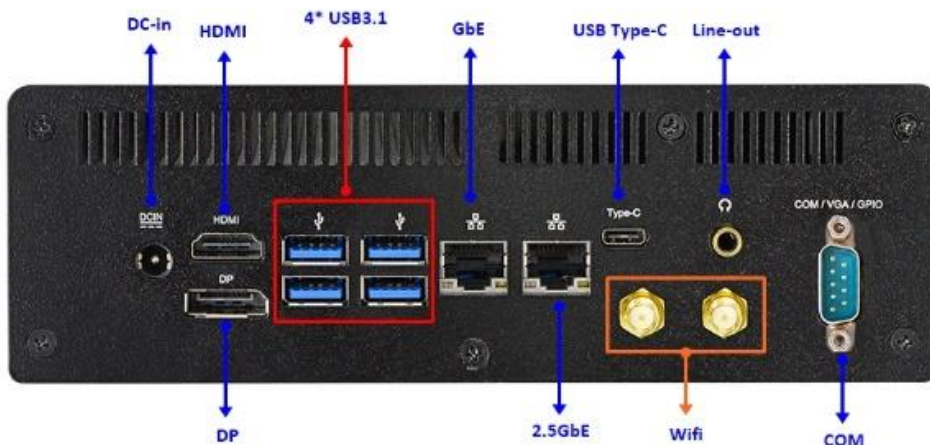


intel. FC CE RoHS COMPLIANT

Front I/O



Rear I/O



Specifications

Model

- HBFDF835-8365-V (CPU: I5-8365UE, Default)
- HBFDF835I-8365-V (CPU: I5-8365UE, Wi-Fi)
- HBFDF835-1021-V (CPU: I5-10210U)
- HBFDF835I-1021-V (CPU: I5-10210U)

BIOS

AMI Flash ROM

Network

- 1* Intel® i219LM GbE
- 1* Intel® i225V 2.5GbE

Storage

- 1* M.2 M-key (2242/2280, PCIe x4/SATA interface) support NVMe
- 1* 2.5" SATAIII Device (support 2.5" HDD with a height ≤ 10mm)

Rear Panel I/O

- 4 * USB 3.1 (Gen.2)
- 1 * USB 3.1 (Gen.2) Type C (USB data transfer only)
- 1 * HDMI 1.4 (Max. resolution:4096 x 2160@30Hz)
- 1 * DP (Max. resolution:4096 x 2304@60Hz)
- 2 * RJ45
- 1 * Line-out
- 1 * COM
- 1 * DC-in jack

Internal Connector

N.A

Compliance

CE, FCC, LVD Ready

Temperature

- Operating Temperature: -20~ 60° 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)

OS Support

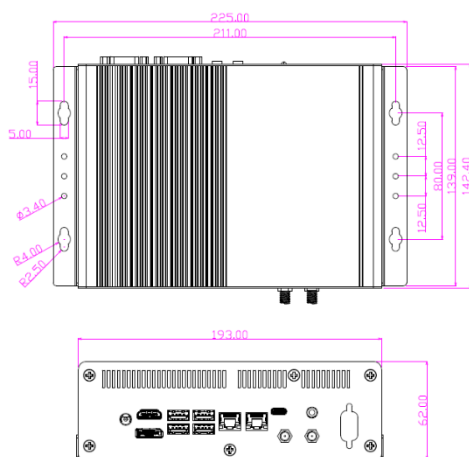
Windows 10, Windows 11, Linux

Warranty

2 Years limited warranty

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

Mechanical Drawings (Unit=mm)



CPU / Chipset

Intel® Whiskey Lake-U/Comet Lake-U SoC Processor (TDP 15W)

Memory

2* DDR4 2400MHz SO-DIMM up to 64GB

Graphics

- Intel® HD Graphics, shared memory
- 1* DP (Max Resolution: 4096×2304@60Hz)
- 1* HDMI 1.4 (Max Resolution: 4096×2160@30Hz)
- Support Dual Displays

Expansion

- 1* M.2 E-key (2230) support CNVi for WiFi expansion

Front Panel I/O

- 1 * Power button
- 1 * Reset button
- 1 * Power LED
- 1 * HDD LED
- 2 * USB 2.0
- 1 * Line-out
- 1 * MIC
- 4 * COM

Power Source

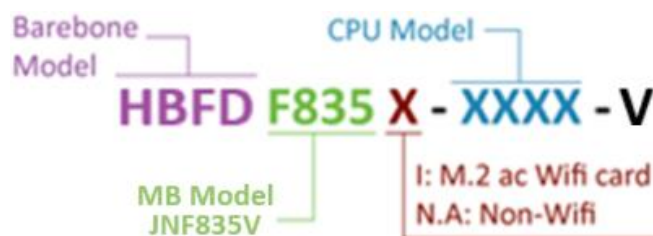
- MB: DC-in 9~24V
- Adapter: AC_90~240V / DC12V / 90W

Dimensions

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

Box: 250 (W) x 118 (D) x 295 (H) mm

Part Number Rules



Standard Accessories

Part Number	Description
-----	HBFDF835-XXXX-V Series Barebone
L01AS064-F	Adapter 12V/90W
Change according to shipping area	Power cord
LCSCHBFDXXX-F	HBFX_Series Barebone Screw Pack
HCSFDMWM01B-F	FD Series Wall mount
HCS3XXDINRAILPS-F	DIN RAIL Clip
J05-ANT-GX57245-F	Antenna (WiFi only)
HNSCOMWFCB375NF-F	M.2 ac WiFi card (WiFi series only)