

HBFBZ10 Series

Intel® Elkhart Lake SoC Processor, 4* 2.5GbE Lan, 1* COM (RJ45 type), 1* HDMI, 2* USB3.1

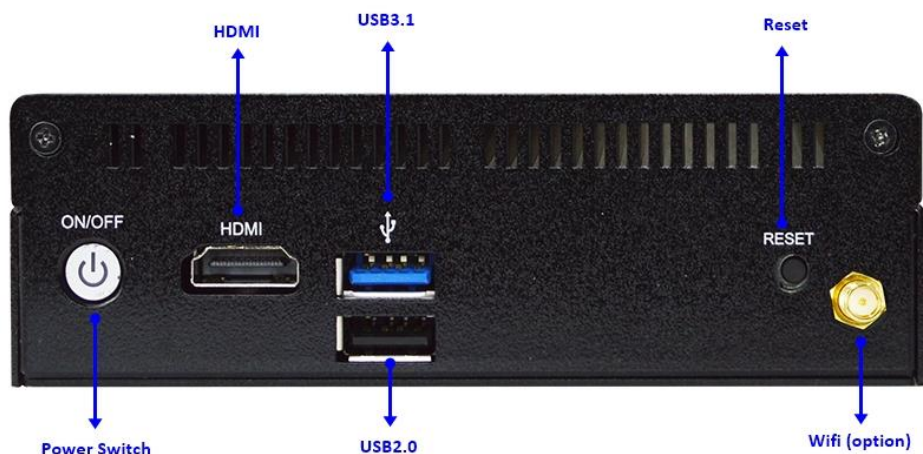
Features

1. Intel® Elkhart Lake SoC Processor
2. 1 * DDR4 3200MHz SODIMM up to 16GB
3. 4 * 2.5GbE Ethernet Ports
4. Support TPM2.0
5. 2 * USB , 1* HDMI, 1 * COM (RJ45 type)
6. 1 * M.2-2242, 1 * M.2-2230, 1 * M.2-3042
7. DC12V input

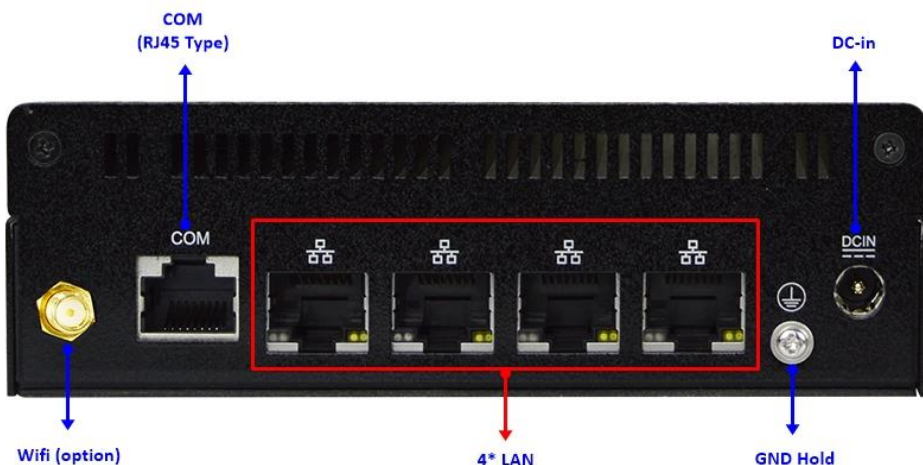


intel. FC CE RoHS
COMPLIANT

Front I/O



Rear I/O



Specifications

Model

- HBFZ10-6412-B
- HBFZ10I-6412-B
- HBFZ10-6412-E (EMMC)
- HBFZ10I-6412-E (EMMC)
- HBFZ10-6412-T (EMMC&TPM)
- HBFZ10I-6412-T (EMMC&TPM)

BIOS

- AMI Flash ROM

Network

- 4* Intel i225V 2.5GbE

Storage

- 1* M.2 M-key (2242, PCIe Gen.3 x2/SATA interface) support NVME, (co-layout M.2 B-key)

Rear Panel I/O

- 4* RJ45
- 1* COM (RJ45 type)
- 1* DC-in jack

Internal Connector

- 32GB eMMC onboard (by model)
- 1* SIM card holder

Compliance

- CE, FCC, LVD, RoHS, ErP Ready

Temperature

- Operating Temperature: -20 ~ 60° C (Under the condition of using M.2 interface SSD)
- Storage Temperature: -20 ~ 80° C
- Humidity: Between 40% and 60%, non-condensing

OS Support

- 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.

CPU / Chipset

- Intel® Elkhart Lake SoC Processor (J6412)

Memory

- 1* DDR4 3200MHz SO-DIMM up to 16GB

Graphics

- Intel® HD Graphics, shared memory
- 1* HDMI 2.0 (Max Resolution: 4096x2160@60Hz)

Expansion

- 1* M.2 E-key (2230, PCIe Gen.3 x1/USB2.0 interface)
- 1* M.2 B-key (3042/3052, USB3.1 interface) co-layout M.2 M-key
(If you use M.2 B-key type-3042/3052 card, M.2 M-key type-2242 is not available; vice versa)

Front Panel I/O

- 1* Power button + Power LED
- 1* Reset
- 1* USB3.1, 1* USB2.0
- 1* HDMI (Max. 4096x2160@60Hz resolution)

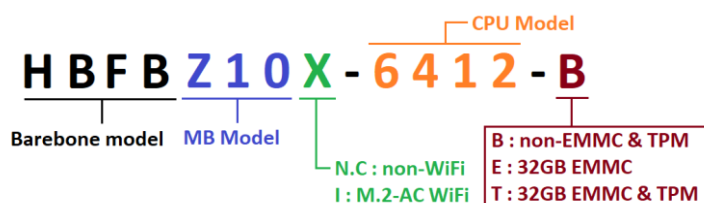
Power Source

- Adapter : AC 90~240V input / DC12V-3.3A-40W output
- MB : DC12V input

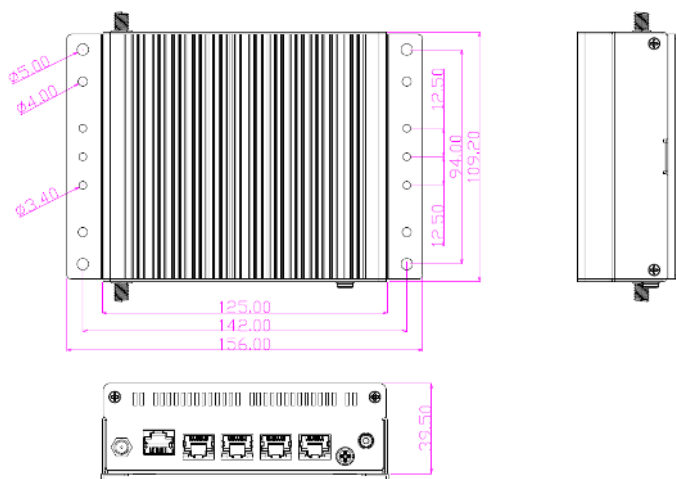
Dimensions

- System: 125 (W) x 109 (D) x 39.5 (H) mm

Part Number Rules



Mechanical Drawings (Unit=mm)



Ordering Info

Part Number	Description
HBFZ10 series	Intel Elkhart Lake SoC Processor J6412 CPU
LCSCBJC3XX-F	Barebone Screw Pack
L01AS050-F	Adapter DC12V_40W
Change according to shipping area	Power cord
HCSFBMWM01B-F	FB Wall mount