

# HBFD94-XXV Series

Intel® Apollo Lake SoC processor, DDR3L up to 8GB, 1\* HDMI, 9~36V DC-in

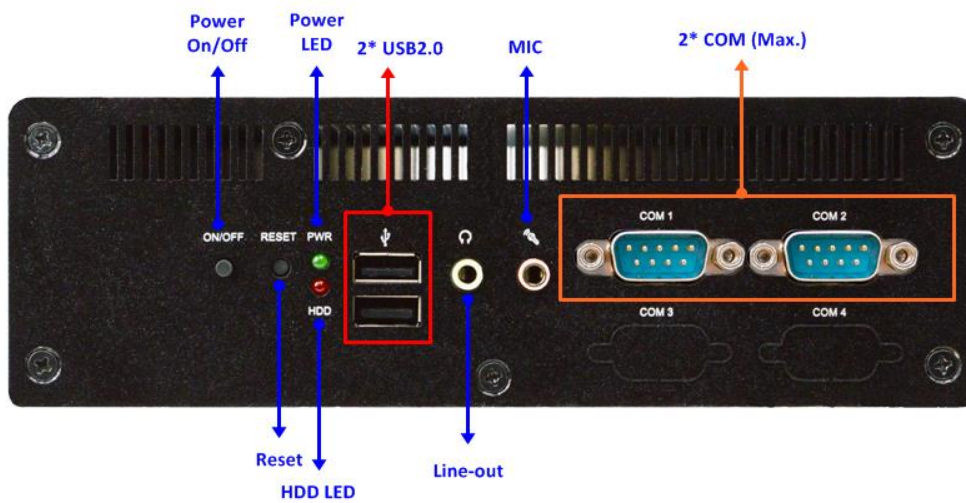
## Features

1. Intel® Apollo Lake SoC Processor (Default: J3455)
2. Support 1 \* SO-DIMM DDR3L-1866MHz up to 8GB
3. 6\*USB, 2\*LAN, 1\*HDMI, 1\*MIC, 1\*Line out
4. All-aluminum body, produced by casting process
5. DC12V\_90W Adapter

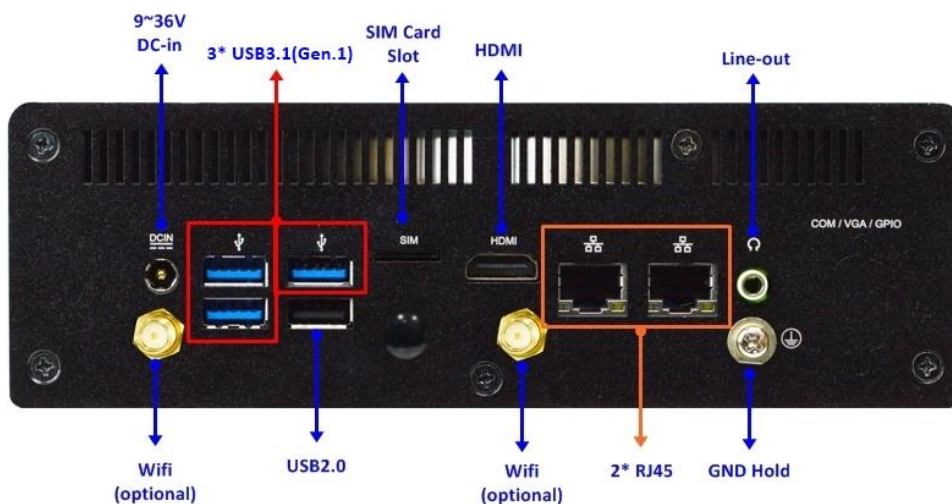


intel. FC CE RoHS  
COMPLIANT

## Front I/O



## Rear I/O



# Specifications

## Model

### Non-WiFi

- HBFDF94-00V (Default, J3455)
- HBFDF94-90V (E3940)

### Mini PCIe ac WiFi card

- HBFDF94Z-00V
- HBFDF94Z-90V

## CPU / Chipset

Intel® Apollo Lake SoC Processor (Default: J3455, TDP 10W)

Notes: When the system runs, CPU will automatically adjust its working clock frequency according to changing workload.

## BIOS

AMI Flash ROM

## Network

- 2\* Intel® i225V 2.5GbE

## Storage

- 1\* M.2 M-Key (2242, SATA interface) for SSD
- 1\* 2.5" SATAIII Device (support 2.5" HDD with a height ≤ 10mm)

## Rear Panel I/O

- 3\* USB 3.1 (Gen.1)
- 1\* USB 2.0
- 2\* RJ45
- 1\* HDMI
- 1\* SIM card slot
- 1\* Line-out
- 1\* DC-in Jack

## Internal Connector

- Onboard TPM2.0 (option)

## Compliance

CE, FCC, LVD Ready

## Temperature

- Operating Temperature:
  - J3455 CPU: 0 ~ 50° C
  - E3940 CPU: -40 ~ 70° C
- Storage Temperature: -40 ~ 85° C
- Humidity : Between 10% and 95% @40° C, non-condensing

## OS Support

Win10, Linux.

## Warranty

2 Years limited warranty

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

## Memory

1\* DDR3L 1866MHz SO-DIMM up to 8GB

## Graphics

- Intel® HD Graphics, shared memory
- 1\* HDMI (Max Resolution: 3840×2160@30Hz)
- Support Single Display

## Expansion

- 1\* Mini-PCIe full size (USB2.0/PCIe x1 interface)
- 1\* M.2 B-Key (3042, USB3.0/PCIe x1 interface)

## Front Panel I/O

- 2\* USB 2.0
- 2\* COM (Max)
- 1\* Power LED
- 1\* HDD LED
- 1\* Line-out
- 1\* MIC
- 1\* Power button, 1\* Reset button

## Power Source

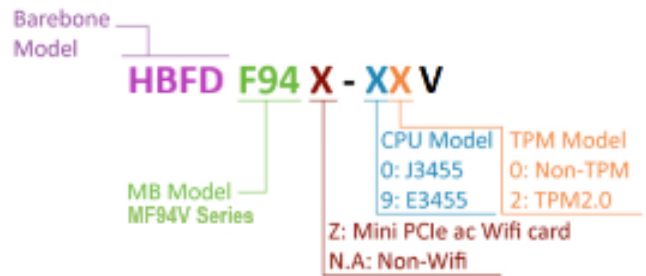
- MB : DC-in 9~36V
- Adapter : AC\_90~240V / DC\_19V / 90W

## Dimensions

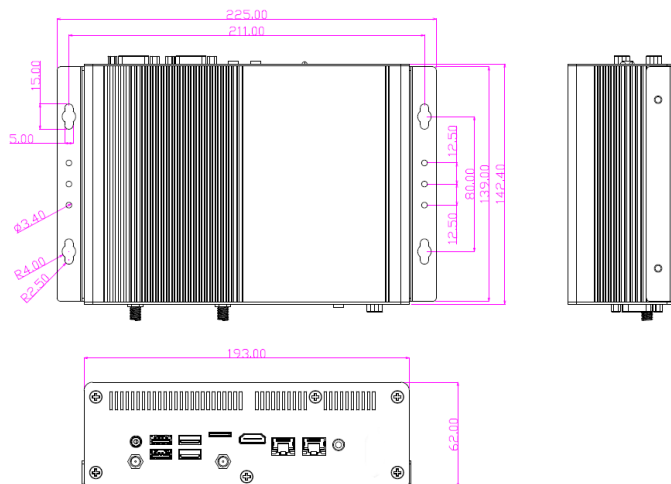
System: 193 (W) x 142.4 (D) x 62 (H) mm

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

## Part Number Rules



## Mechanical Drawings (Unit=mm)



## Ordering Info

Part Number	Description
	HBFDF94-XXV Series
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 Kits
G01-COM-H2M20-1F	COM Cable
J05-ANT-GX57245-F	Antenna2G4/5G 2.8dBi
	GX572450001SM (WiFi only)