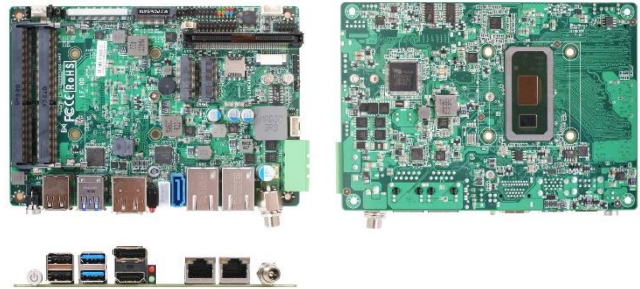


# JLF0DV Series

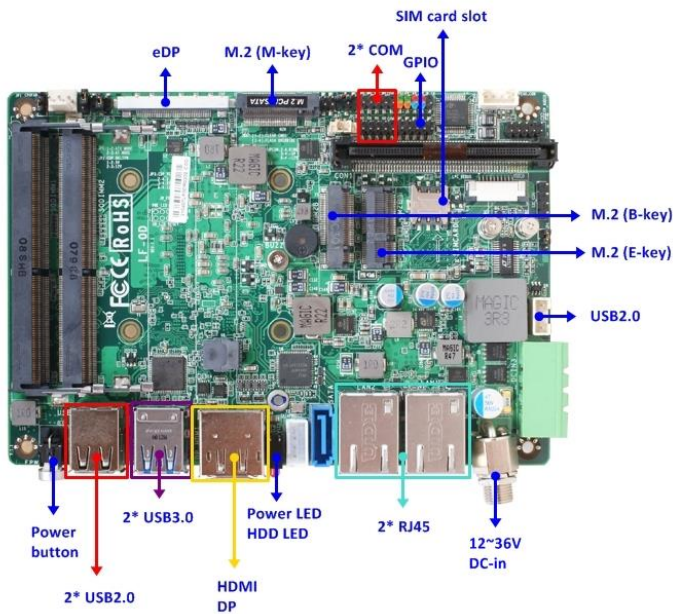
Intel® Whiskey Lake-U CPU, DDR4 up to 64GB, 1\* GbE, 1\* 2.5GbE, support Wide Voltage 12~36V DC-in

## Features

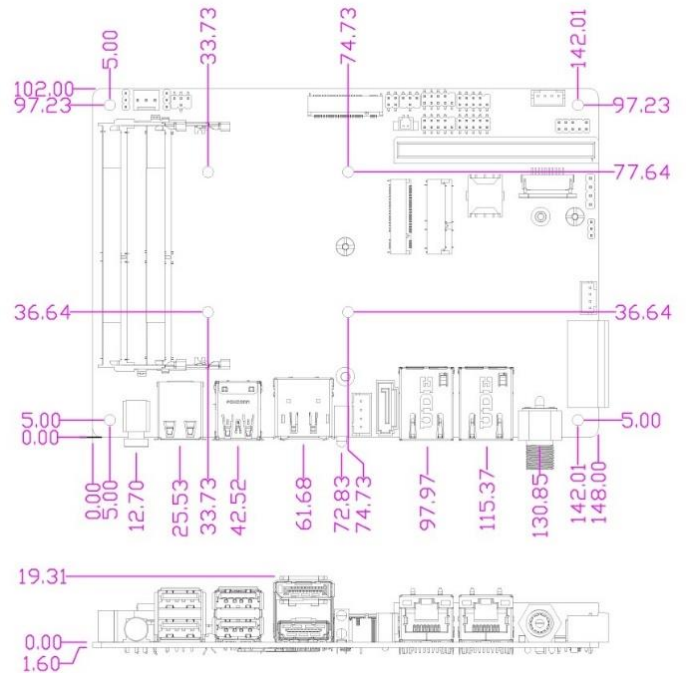
1. Intel® 8th Gen Whiskey Lake-U 1.6GHz/QC Core MCP Processor
2. 2\* DDR4 2400MHz, up to 64GB
3. 1\* Intel® I219LM GbE, 1\* Intel® i225-V 2.5GbE
4. 1\* SATA III (6Gb/s), 1\* M.2 (M-key), 1\* M.2 E-key Support CNVi, 1\* M.2 B-key Support 4G/5G Module
5. 1\* HDMI/DP + 1\* eDP
6. 2\* RS232/422/485, 2\* USB3.0, 3\* USB2.0
7. 12~36V DC in
8. 3.5" Form Factor (146 \*102 mm)
9. JLF0DV-42 support TPM2.0 (option)



## I/O Diagram



## Mechanical Drawings (Unit=mm)



## Specifications

### Model

- JLF0DV-20 (8365UE)
- JLF0DV-22 (8365UE, TPM2.0)
- JLF0DV-40 (i5-8265U)
- JLF0DV-42 (i5-8265U, TPM2.0)
- JLF0DV-70 (4305UE)
- JLF0DV-72 (4305UE, TPM2.0)

### Processor System

- Intel® 8th Gen Whiskey Lake-U Quad Core MCP Processor
- Intel SoC chipset
- AMI 128Mb Flash ROM BIOS

### Storage

- 1\* M.2 M-key (2242/2280, SATA or NVMe- PCI-Ex4)
- 1\* SATAIII (6.0Gb/s)

### Ethernet

- 1\* Intel® i219LM GbE
- 1\* Intel® i225-V 2.5GbE

### Audio

- USB Audio codec
- 3W Amplifier speaker

### Internal I/O

- 1\* USB2.0
- 2\* RS232/422/485
- 1\* SATAIII
- 3\* M.2 (M-key, E-key, B-key)
- 1\* GPIO (8 bit, 5V)
- 1\* AT mode
- 1\* I2C/SMBUS
- 1\* FP\_Audio
- 1\* Speaker
- JLF0DV-42 support TPM2.0 (Option)

### Power

DC-in 12~36V, AT/ATX Supported

- AT: Directly PWR on as Power input ready

- ATX: Press Button to PWR on after Power input ready

### Temperature

- Operating Temperature: 0 ~ 60° C
- Storage Temperature: -20 ~ 70° C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

### Warranty

2 Years limited warranty

### Form Factor

3.5" (146 \* 102mm)

### Memory

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

### Expansion

- 1\* M.2 E-key (2230, Support CNVi)
- 1\* M.2 B-key (3042/3052, Support 4G/5G Module)
- 1\* SIM Card Holder (Nano)

### Graphics

- Intel® HD Graphics, shared memory
- 1\* HDMI 1.4 (Max Resolution: 4096x2304@24Hz)
- 1\* DP (Max Resolution: 4096x2304@60Hz)
- 1\* eDP (Max Resolution: 4096x2304@60Hz)
- Support Triple Displays

### Watchdog Timer

- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

### External I/O

- 1\* HDMI
- 1\* DP
- 2\* RJ45
- 2\* USB3.0
- 2\* USB2.0
- Power button
- Power LED, HDD LED
- 12~36V DC-in jack

### Compliance

CE, FCC, RoHS, REACH

### OS Support

Windows 10, Linux

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

## Standard Accessories

Part Number	Description
JLF0DV Series	JLF0DV Series M/B
G01-COM-H2M22-1F	2* COM cable
G01-SATA3-BL-1F	1* SATAIII cable
HCS5XXXMHT01S-F	1* Flat type Heatsink