

# MVC-4246

Intel Whiskey lake-U I5-8265U/I7-8565U Embedded Vehicle Computer  
With All M12 Connectors



## Features

- Intel Core I5-8265U/I7-8565U processor
- Rugged and fanless design
- 9~36V DC input, optional intelligent switch function
- M12 Connector for front I/O standard interfaces reserved on the back
- Optional WiFi, Bluetooth, LTE/5G, GPS, CAN2.0, POE, etc.

## Specifications

### System

CPU	Intel Core I5-8265U/I7-8565U processor
Memory	2-channel DDR4 SODIMM (Up to 32GB)
Storage	1 x Full-size Mini-PCIe for mSATA
System	Windows 10 IoT Enterprise Linux

### I/O Connectors

Serial Port	6 x RS-232/485 (M12, isolated, via Jumper switching mode)
USB Port	4 x USB2.0 (M12) 4 x USB3.0(Type A)
Ethernet	2 x GbE LAN (M12), 2 x RJ45
Display	2 x VGA (M12+DB15)
Audio	1 x Line-out, 1 x Mic-in
CAN Bus	2 x CAN2.0B (Optional, compatible CAN2.0A)
Others	2 x PoE/PoE+(Optional, 802.3af/at)

### RF Communication

WLAN	802.11a/b/g/n/ac/ax (Optional)
WWAN	4G LTE (Optional, LTE, HSPA+, EDGE, GSM/GPRS, 1.4G/1.8G private network) 5G Full netcom
Bluetooth	Bluetooth 4.0/5.0 (Optional)
GNSS	GPS/Beidou/Glonass (Optional, 2m accuracy)

### Power Management

Power Input	DC 9~36V(STD)
Power Consumption	Power supply must be at least 72W
Ignition	Optional, 5~32V DC-in, Vehicles need to have ACC signal Delay starting, default 5 seconds Delay shutdown, default 10 seconds(adjustable)
UPS	Optional, 10~28V DC-in, Built-in 3350mAh lithium battery Delay start, default 5 seconds Delay shutdown, default 10 seconds(Can be set)

### Environmental

Operating Temperature	-30~70°C
Relative Humidity	5%-90%, @ 40°C (non-condensing)
Vibration	Impact resistance: MIL-STD-810G Method 516.6 Procedure I Anti-vibration: MIL-STD-810G Method 514.6 Procedure I
Certifications	CE, FCC

### Mechanical

Material	All metal structure
Dimension (W x L x H)	273.6 x 199.2 x 65.6 mm
Weight	2.9Kg

### Packing List

- 1 x MVC-4246
- 1 x AC-DC Power Adapter
- 1 x Certificate
- 1 x Warranty Card

## Dimension

