

# IVS-5830

## Fanless In-Vehicle Computer with 13th Gen Intel® Core™ i3/i5/i7 Processor



### Features

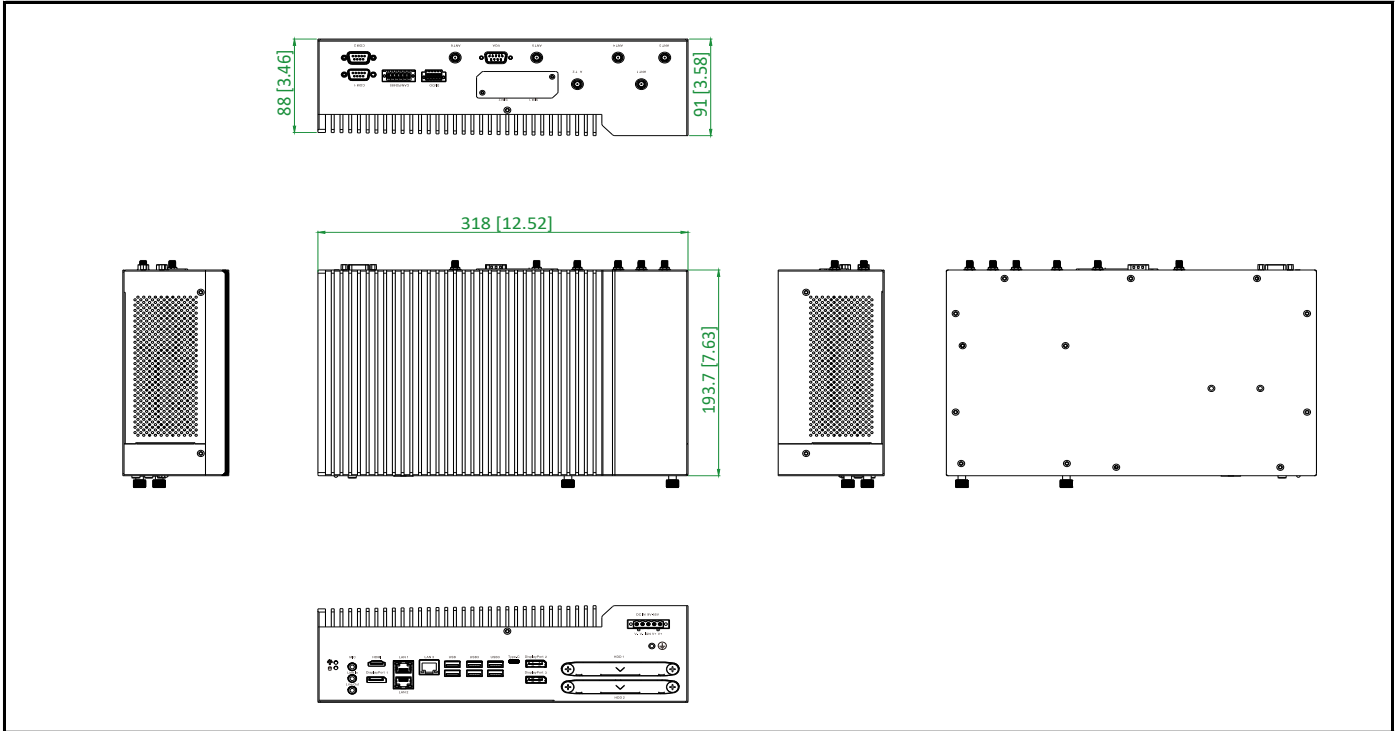
- 13th Gen Intel® Core™ i3/i5/i7
- 1 x DDR5 SODIMM
- 9 ~ 55 VDC with Ignition
- TPM 2.0
- Support isolated CAN, DI, DO, RS485
- Optional 4G LTE, 5G, Wi-Fi
- Fanless design

### Specifications

System		Interface	
CPU	13th Gen Intel® Core™ i7-1365UE, i5-1335UE, i3-1315UE	Serial Port	2 x RS232/RS422/485 DB9 2 x Isolated RS485
Memory	2 x DDR5 SODIMM up to 64 GB	CAN Bus	2 x Isolated CAN Bus
Storage	2 x Front-access 2.5" SSD Bay	Ethernet	1 x RJ45 Intel® I226IT 2.5GbE LAN 2 x RJ45 Intel® I210IT GbE LAN
Real time clock	Yes	USB	4 x USB 3.2 Gen1 x1 (Type A) 2 x USB 2.0 (Type A) 1 x USB 3.2 Gen1 x1 (Type C)
Security	TPM 2.0	DI/DO	4 x DI, 4 x DO Isolated terminal block
Thermal Design	Fanless design	AI/AO	--
Operating System	Linux Kernel 5.15 LTS & above (64-bit), Windows 10,11 (64-bit)	Display	1 x VGA, 1 x HDMI, 1 x DP 2 x DP with MXM (Optional)
Support Protocol	--	Audio	1 x Mic-in, 1 x Line-in, 1 x Line-out
Power Requirement		PoE	--
Input Voltage	9 ~ 55 VDC	Indicator	1 x Power LED 1 x HDD LED 1 x Status LED
Power Consumption	120 W (typical)	Expansion Slot	1 x M.2 M-Key 2280, PCIe Gen4 [x4] for NVMe SSD 2 x M.2 B-Key 3042/3052, PCIe [x1] + USB 3.2/2.0 1 x M.2 E-Key 2230 PCIe [x1] + USB 2.0 1 x MXM slot
Power Connector	5 pin terminal block	SIM Slot	2 x SIM Card Holder
Environmental and Mechanical		Antenna	6 x External Antenna holes
Dimension	318 x 194 x 91 mm (12.52" x 7.63" x 3.58")	Console port	--
Weight	4.6 kg	Other Interface	--
Mouting/Installation	bracket(s) for installation		
Operating Temperature	-20 ~ 60 °C (-4 ~ 140 °F)		
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)		
Operating Humidity	5% ~ 95% relative humidity (RH), non-condensing		
Certification			
Regulations	CE, FCC, RoHs		

## Dimension

Unit: mm / inch



## Ordering Information

### Packing List

- 1 x System
- 1 x Screw Pack
- 1 x 5 Pin Terminal block
- 1 x 10 Pin Terminal block
- 1 x 12 Pin Terminal block

## Optional Accessories

Part Number / Item	
<b>8 GB RAM</b>	Memory DDR5 8 GB SODIMM
<b>16 GB RAM</b>	Memory DDR5 16 GB SODIMM
<b>32 GB RAM</b>	Memory DDR5 32 GB SODIMM
<b>Wi-Fi Module</b>	Wi-Fi Module M.2 2230 with Antenna
<b>4G LTE Module</b>	4G LTE Module M.2 3042 with Antenna
<b>5G Module</b>	5G Module M.2 3052 with Antenna