

IVS-5835

Intel® 13 Gen. i5 Processor, In-Vehicle



Features

- Intel® 13th Generation Core™ i5 Processor
- 2 x DDR5 SO-DIMM
- Support 1 x 2.5GbE LAN, 2 x GbE LAN
- 2 x Front-access 2.5" SSD Tray
- 9V~55Vdc w/in-vehicle power ignition control
- Fan-less design
- Support MXM Card

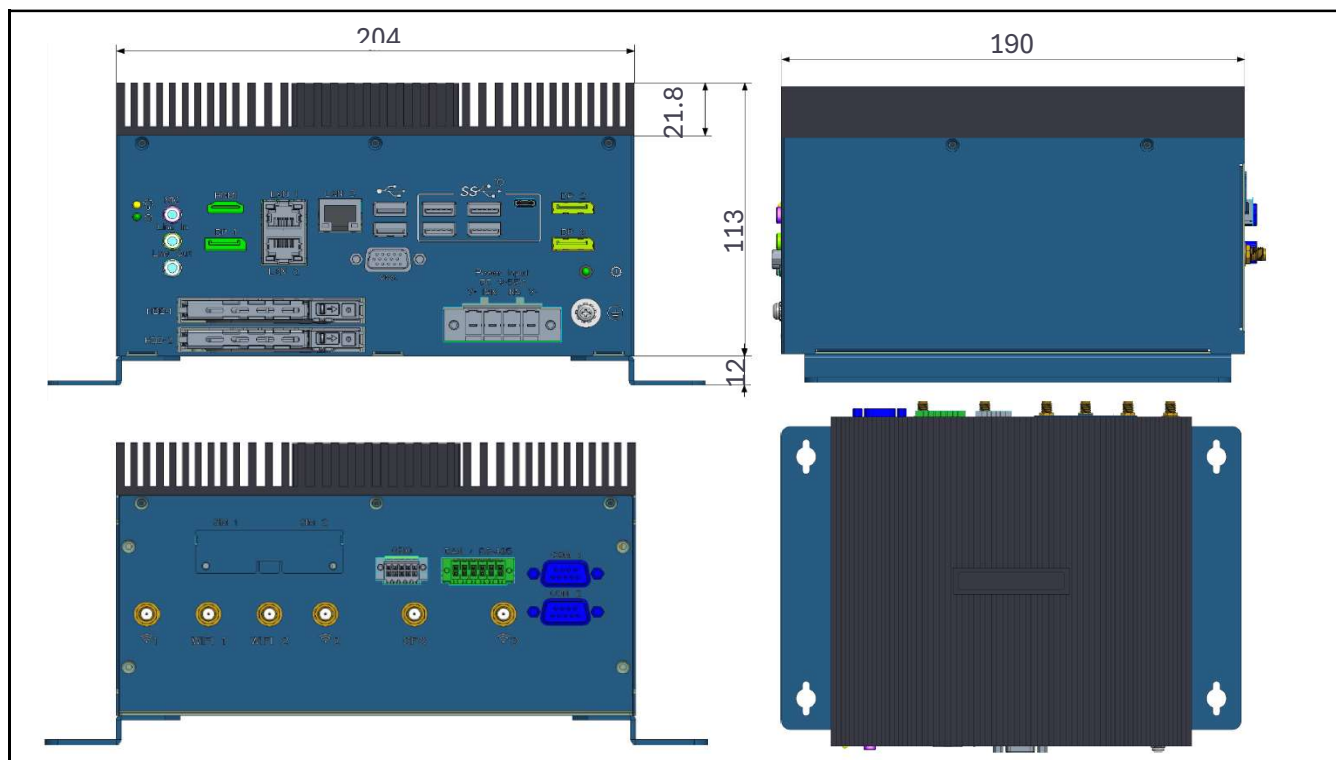
Specifications

System	
CPU/GPU	Intel® 13th Generation Core™ i5 Processor
Memory	2 x DDR5 SO-DIMM up to 96GB
Storage	2 x Front-access 2.5" SSD Tray
Real time clock	Yes
Operating System	Windows 10, Windows 11, Linux
Power Supply	
Power Requirement	DC-IN 9V~55Vdc w/Power ignition
Power Consumption	TBD
MTBF (Hours)	TBD
Environmental and Mechanical	
Dimension	204mm(W) x 190mm(D) x 113mm(H)
Weight	TBD
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operating Humidity	5% ~ 95% relative humidity, non-condensing
Certification	
Regulations	CE, FCC
Carrier	--

Interface	
Serial Port	2 x RS-232/RS422/485, DB9 Type 2 x Isolated RS485
CAN Bus	2 x Isolated CAN Bus
Ethernet	1 x RJ45 Intel® I226LM 2.5GbE LAN 2 x RJ45 Intel® I210 1 GbE LAN
USB	4 x USB3.2 Gen1x1 (Type A) 2 x USB2.0 (Type A) 1 x USB3.2 Gen1x1 (Type C)
DI/DO	4bit DI / 4bit DO
AI/AO	--
Audio	1 x Mic-in, 1 Line-in, 1 Line-out
Display	1 x VGA , 1 x HDMI , 1 x DP
Display (MXM)	2 x DP
Power Connector	5 Pin Terminal Block connector
Debug Port	--
Expansion Slot	1x M.2 M-key 2280 1x M.2 E-Key 2230 1x M.2 B-key 3052 1x M.2 B-key 3042 1x MXM
Other Interface	TPM 2.0
SIM	2 x SIM card
Micro SD	--
Button	--
Antenna	6 x External Antenna

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x IVS-5835 System
- 1 x 5 Pin Terminal block
- 1 x 10 Pin Terminal block
- 1 x 12 Pin Terminal block

Part Number

2IVS-5835-01 Intel® 13th Generation Core™ i5-1340PE Raptor Lake In-Vehicle Computer

Optional Accessories

Part Number / Item

8GB RAM	Memory DDR5 8GB SO-DIMM
16GB RAM	Memory DDR5 16GB SO-DIMM
32GB RAM	Memory DDR5 32GB SO-DIMM
Wi-Fi Module	Wi-Fi Module M.2 2230 with Antenna
4G LTE Module	4G LTE Module M.2 3042 with Antenna
5G Module	5G Module M.2 3052 with Antenna