

IVS-44U0

Fanless In-Vehicle Computer with Intel® Core™ Ultra 7 / Ultra 5



Features

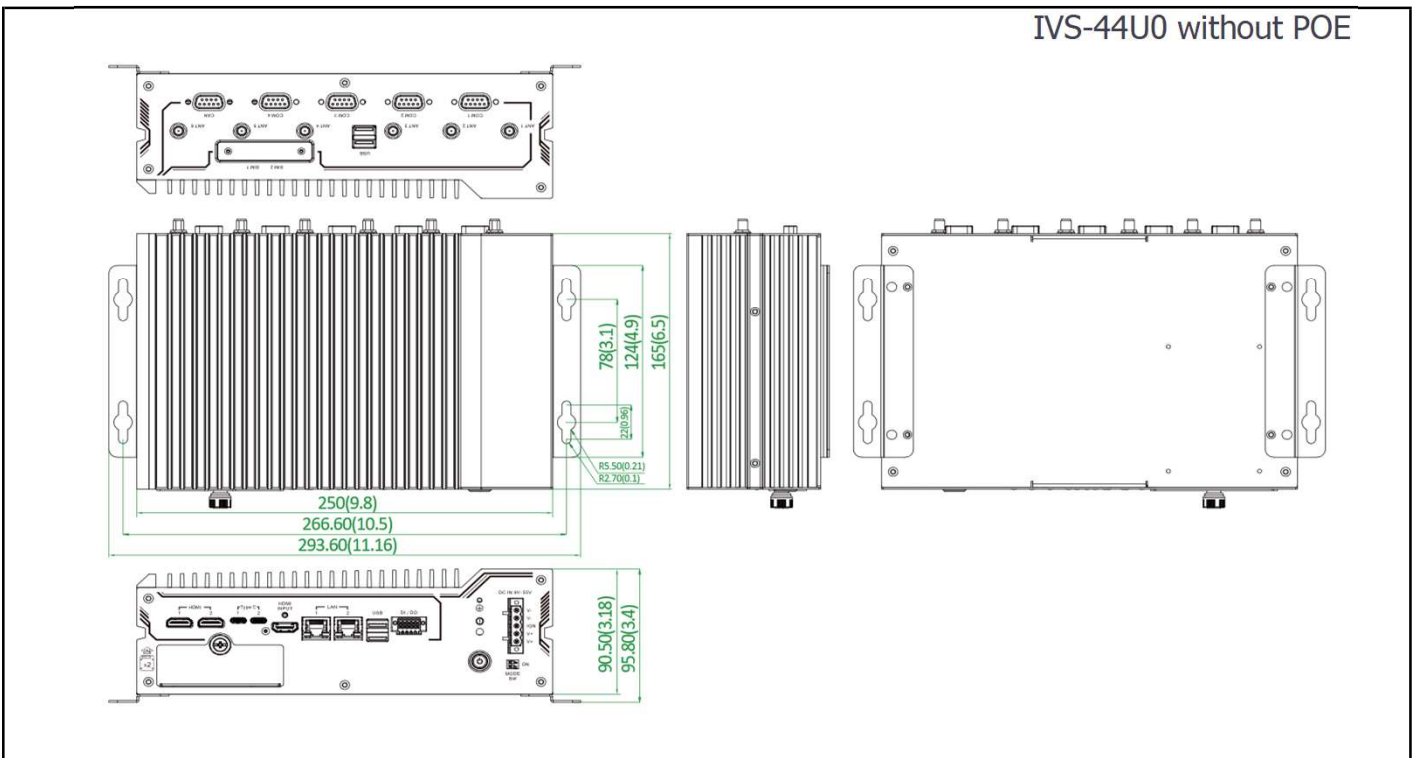
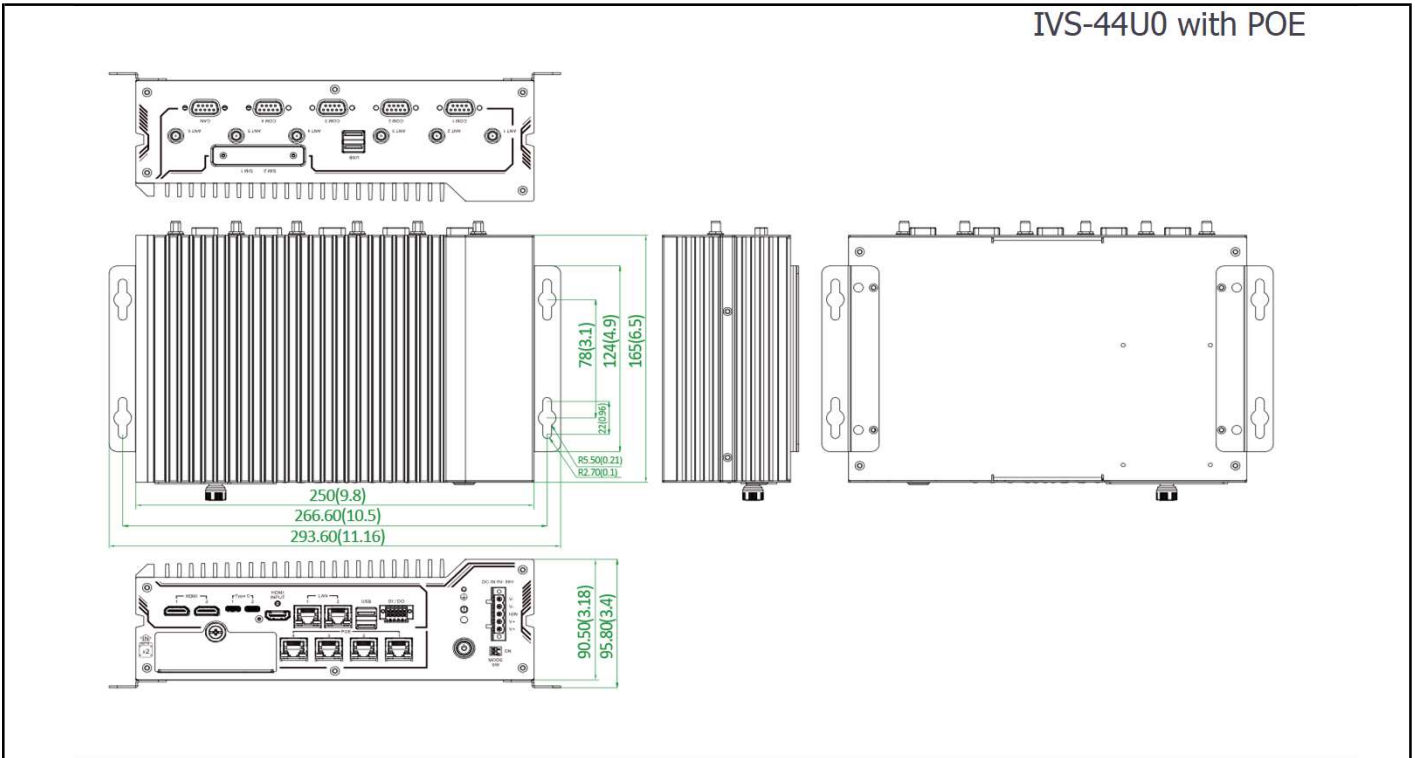
- Intel® Meteor Lake Ultra 7/5
- 1 x DDR5 SODIMM
- 9 ~ 55 VDC with Ignition
- TPM 2.0
- Support LAN, COM, USB, Display, DIO, CAN, POE
- Optional 4G LTE, 5G, Wi-Fi
- Fanless design

Specifications

System		Interface	
CPU	Intel® Core™ Ultra 7-155U, Ultra 5-125U	Serial Port	4 x RS232/422/485 DB9
Memory	1 x DDR5 SODIMM up to 48 GB	CAN Bus	2 x CAN Bus, DB9
Storage	2 x Front-access 2.5" SSD Bay 1 x M-Key 2280, NVMe SSD	Ethernet	2 x RJ45 Intel® I226IT 2.5GbE LAN
Real time clock	Yes	USB	4 x USB 3.2 Gen2 x1 (Type A) 2 x USB 3.2 (Type C)
Security	TPM 2.0	DI/DO	4 x DI, 4 x DO Isolated
Thermal Design	Fanless design	AI/AO	--
Operating System	Ubuntu 22.04 LTS, Windows 10,11 (64-bit)	Display	2 x HDMI
Support Protocol	--	Audio	--
Power Requirement		PoE	4 x RJ45 Intel® I226IT 2.5GbE PoE total 40W (Optional)
Input Voltage	9 ~ 55 VDC (Ignition)	Indicator	1 x Status LED
Power Consumption	60 W (typical) without PoE	Expansion Slot	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 mPCIe (Half), USB 2.0
Power Connector	5 pin terminal block	SIM Slot	2 x Nano SIM Card Socket
Environmental and Mechanical		Antenna	6 x External Antenna holes
Dimension	250(L) x 165(W) x 90(H)mm	Console port	--
Weight	2.9kg	Other Interface	1 x HDMI Capture
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
2 x bracket(s)

Part Number

2IVS-44U0-00-01	IVS-44U0 Intel Ultra 5-125U Fanless 9-55VDC In-Vehicle system
2IVS-44U0-10-01	IVS-44U0 Intel Ultra 5-125U Fanless 9-55VDC 4xPOE(RJ45) In-Vehicle system
2IVS-44U0-01-01	IVS-44U0 Intel Ultra 7-155U Fanless 9-55VDC In-Vehicle system
2IVS-44U0-11-01	IVS-44U0 Intel Ultra 7-155U Fanless 9-55VDC 4xPOE(RJ45) In-Vehicle system

Optional Accessories

Part Number / Item

8GB RAM	Memory DDR5 8 GB SODIMM
16GB RAM	Memory DDR5 16 GB SODIMM
32GB RAM	Memory DDR5 32 GB SODIMM
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
GPS Module	GPS Module mPCIe (Half) with Antenna