

IVS-50P0 (Preliminary)

In-Vehicle Computer



*Product appearance is for reference only.
design are subject to change



Features

- Intel® Core™ Ultra Series 3 processors
- 2 x DDR5 SO-DIMM
- DC-IN 9V to 55V with Ignition
- TPM 2.0
- Support LAN,COM,USB,Display,DIO,CAN,POE
- Optional 4G LTE, 5G, Wi-Fi
- Fanless design

Specifications

System	
CPU	Intel® Core™ Ultra Series 3 processors PTL-H 484 366H,PTL-H 404 335
Memory	2 x DDR5 SO-DIMM up to 64GB
Storage	2 x Front-access 2.5" SSD Bay 1 x M Key (2280),NVMe SSD PCIe Gen4
Real Time Clock	Yes
Security	TPM 2.0
Thermal Design	Fanless design
Operating System	Ubuntu 22.04 LTS & above (64-bit) Windows 11(64-bit)
Support Protocol	--
Power Requirement	
Input Voltage	9-55 VDC (Ignition)
Power Consumption	100 W (typical)
Power Connector	5 pin terminal block
Environmental and Mechanical	
Dimension	224 x 173.6 x 94mm
Weight	TBD
Operating Temperature	-20 - 60°C (-4 - 140°F)
Storage Temperature	-40 - 80°C (-40 - 176°F)
Operating Humidity	5 to 95% relative humidity(RH), non-condensing
Mounting/Installation	bracket(s) for installation
Certification	
Regulations	CE, FCC,E-Mark, RoHS

Interface	
Serial Port	2 x RS232/422/485 DB9
CAN Bus	2 x CAN FD Isolated terminal block
Ethernet	2 x RJ45 Intel® I226IT 2.5GbE LAN
USB	4 x USB3.2 Gen2x1 (Type A) 1 x USB2.0 wafer
DI/DO	4 x DI, 4 x DO, Isolated terminal block
AI/AO	--
Display	1 x HDMI 2.1 out 1 x DP 2.0
PoE	2 x RJ45 Intel® I226IT 2.5GbE PoE PSE 802.3af total 30W (Optional)
Indicators	1 x Status LED (for IGN)
Expansion Slot	1 x M.2 B Key (3052) PCIe x1 + USB3.2/2.0 1 x M.2 B Key (2242) PCIe x1 + USB3.2/2.0 1 x M.2 E Key (2230),PCIe x1 + USB2.0
SIM Slot	1 x Nano SIM Card Socket
Antenna	6 x External Antenna holes
Other Interface	1 x power botton 1 x G-sensor