

07 VPC-5620S

Multi-PoE & Fanless Appliance with 8th Generation Intel® Processor

Smart In-vehicle & AMR BOX PC

VPC-5620S IS
Front View



Rear View



VPC-5620S VS
Front View



Rear View



Features

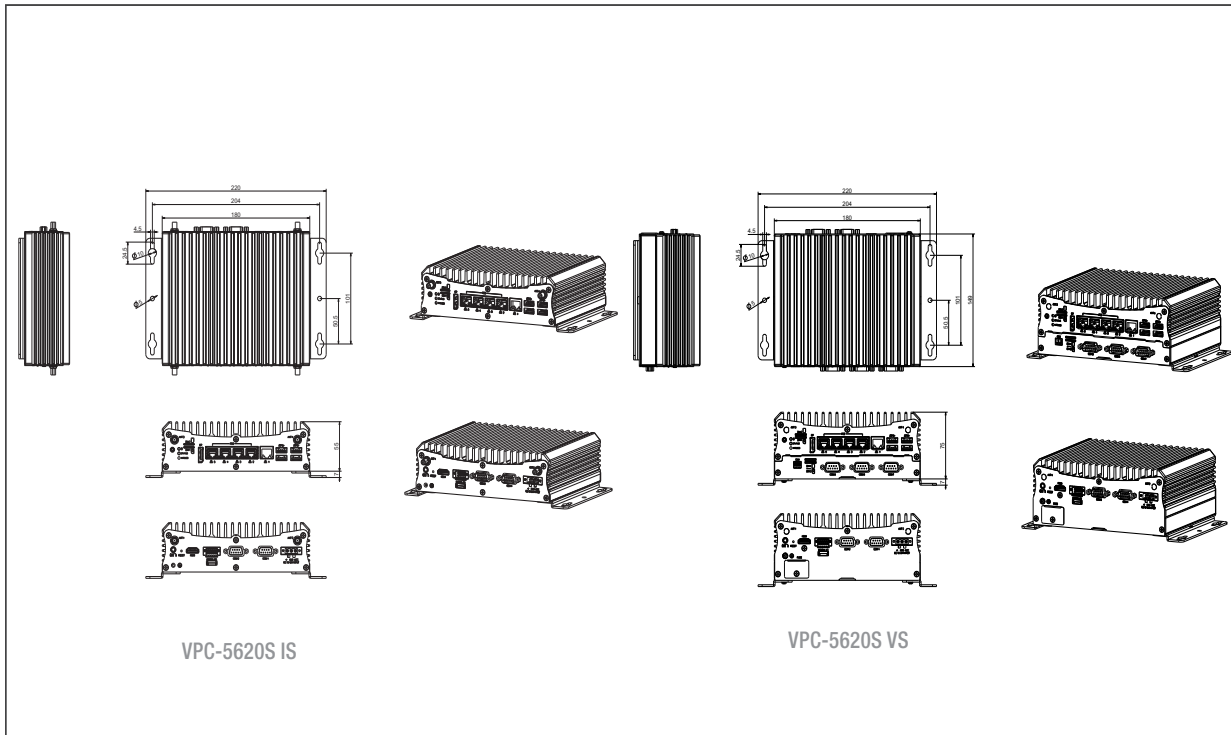
- Multi-PoE & Fanless Appliance
- Intel® 8th Generation Whisky Lake processor
- Supporting up to 64 GB DDR4 2400 SDRAM, two slots
- DP x 1, HDMI x 1
- RS232/422/485 COM port x 2 (Isolated by BOM option), USB3.0 port x 4
- GigE connector x 5 (PoE x 4, GigE x 1)
- DC 12-24V power Input, Industrial config.; DC 10~36V, In-vehicle config
- 1 x jack for Line out & MIC in
- 8 bits DIO (Isolated 4DI & 4DO / 8DI/ 8DO by BOM option)
- Wide Temperature: -20°C ~ 70°C
- LAN LED indicator (ACTx5, LNKx5), Status LED x1, HDD LED x 1, Wireless LED x 1, Power button w/indicator x 1, Reset button x 1



Specifications

System	
Form Factor	Multi-PoE & Fanless Appliance
Processor	Intel® Whisky Lake Processor (Default: i7-8665UE; Project base: i5-8365UE, i3-8145UE or 4305UE)
Chipset	—
Main Memory	Up to 64GB, DDR4 260-pin SODIMM
Display	HDMI x 1, DP x 1
Ethernet	1x GbE, Intel i211, support Wake on LAN and PXE supported
Smart PoE	4 ports, IEEE 802.3 at/af, sharing 60W of power budget for every four PoE ports. Able to power management in each independent PoE port (SDK available)
RAID support	0/1
Expansion Slot	IS: mPCIe Full-Size (USB+PCIe) x 1 mPCIe Full-Size (USB+SATA) colay SATA x 1 M.2 2280 (USB+PCIe), support NVME PCIe [x4] SSD x 1 VS: mPCIe Full-Size (USB+PCIe) x 3 mPCIe Full-Size (USB+SATA) colay SATA x 1 M.2 2280 (USB+PCIe), support NVME PCIe [x4] SSD x 1
GPS, G-Sensor	VS:Built-in GPS, Gyro & G-Sensor
Front I/O Panel	RJ45 Smart PoE Port (60W) x 4, USB 3.2 Gen 1 x 4, Giga LAN x 1, DP x 1, Power button, Status LED, HDD LED, Wireless LED, Micro SIM slots(S) x 2, Micro SIM slots(VS) x 4, Antenna holes x 2, CANbus (VS) x 1, RS-232 (VS) x 3
Rear I/O Panel	jack for Line out & MIC in x 1 HDMI x 1 RS-232/422/485 (Isolated by BOM option) x 2 HW Reset x 1, 3pin Power input x 1 8 bits DIO (Isolated 4DI & 4DO / 8DI/ 8DO by BOM option) Antenna holes x 2
Storage	
HDD Tray	IS:2.5" HDD/SSD Bay x 2 VS:2.5" HDD/SSD Bay x 1
CF/CFast/mSATA Slot	—
Environmental	
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Humidity	10%~80% @40°C, non-condensing
Vibration/Shock	MIL-STD-810G
Certification	CE & FCC Class A
Power Requirement	
Power Supply	IS:DC 12-24V; VS:DC10-36V with power ignition
Mechanical	
Removable HDD Tray	—
Internal System HDD Bay	IS:2.5" HDD/SSD Bay x 2 VS:2.5" HDD/SSD Bay x 1
Dimension	IS:6.3" x 5.87" x 2.16" (180mm x 149mm x 55mm) VS:6.3" x 5.87" x 2.95" (180mm x 149mm x 75mm)
Gross Weight	TBD
Note	—

Dimension Unit: mm



Ordering Information

Part Number	Chipset	RAM	Cooler	Storage	RAID Support	Display	LAN	PoE	USB	RS-232	RS-232/422/485	Expansion Slot	Form Factor	Power
VPC-5620S-IS-A11-00	Intel® i7-8665UE	260-pin SODIMM	Fanless	Supporting 2.5" SSD x 2 (Supporting 2.5" SSD x 1, mSATA x 1, by project base)	0/1	DP x 1, HDMI x 1	GbE x 1	4 Ports	USB 3.2 Gen1 x 4	—	2	Mini-Card x 2 M.2 2280 M key x 1	Desktop	DC 12-24V
VPC-5620S-VS-A11-00	Intel® i7-8665UE	260-pin SODIMM	Fanless	Supporting 2.5" SSD x 1 (Supporting 2.5" SSD x 1, mSATA x 1, by project base)	0/1	DP x 1, HDMI x 1	GbE x 1	4 Ports	USB 3.2 Gen1 x 4	3	2	Mini card x 4 M.2 M key x 1	Desktop	DC 10-36V ignition

Packing List

- SATA cable x 2,
- Power cable x 2 (for SATA)
- Matting connector for power input
- VPC-5620S

Optional Accessories

- **9741236A00**
WiFi module kit, 802.11ac/a/b/g/n.BT4.2.USB Signal.SparkLan.WP2T-236AC(BT).W/2 sets of cable&antenna
- **978966660G**
GPS Antenna
- **9741EG25G0**
PCIe mimi card 4G LTE module kit Global Band W/SIM holder w/ Cable & antenna
- **1702031803**
Power Cord.3P-250V 10A 180D.1.8M.VDE.FAN-JET.YP-22/YC-12 (Euro)
- **1702031802**
Power Cord.3P-125V 10A 180D.1.8M.USA.FANJET.YP12/YC-12 (USA)
- **170203180E**
Power Cord. 3P. 125V/7A. 1. 8M. PSE YP12/YC12 Certificat (JPN)
- **1255X00059**
(TF)AC/DC Power Supply.input AC100~240V output DC 19V6.32A.120W.3P phoenix.5.08mm.FSPFSP120-ABAN3.9NA1208542

Note: All specifications are subject to change without notice.

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660