

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

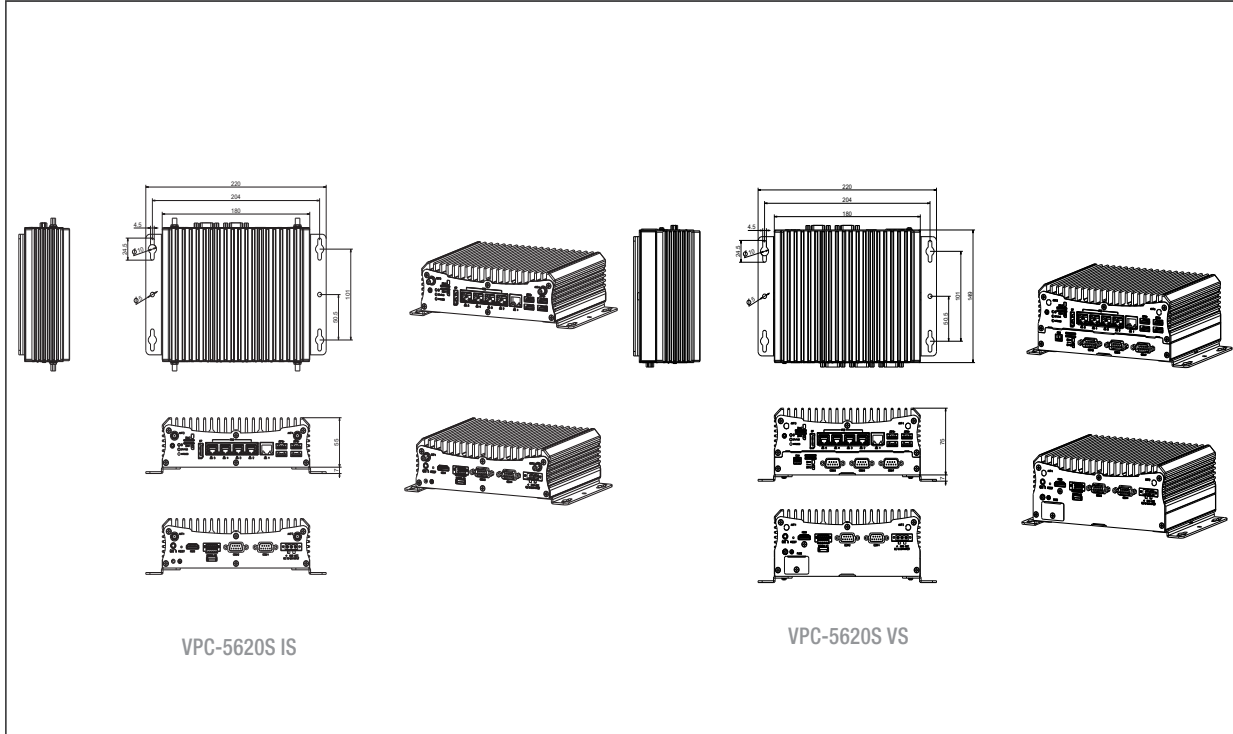
| System | |
|-------------------------|--|
| Form Factor | Multi-PoE & Fanless Appliance |
| Processor | Intel® Whisky Lake Processor (Default: i7-8665UE; Project base: i5-8365UE, i3-8145UE or 4305UE) |
| Chipset | — |
| Main Memory | Up to 64GB, DDR4 260-pin SODIMM |
| Display | HDMI x 1, DP x 1 |
| 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/Fast/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 | — |

VPC-5620S

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Smart In-Vehicle & AMR BOX PC

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.WPET-236ACN(BT).W/2 sets of cable&antenna
- **978966660G**
GPS Antenna
- **9741E62560**
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 19V.6.32A.120W.3P phoenix.5.08mm.FSP.FSP120-ABAN3.9NA1208542

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