

VPC-5630S PRELIMINARY

Multi-PoE & Fanless Appliance with 11th Generation Intel® Processor

Front View

Launching in Q1

Rear View

Features

- Fanless & Aluminum mechanical design System
- Intel® 11th Generation Tiger Lake processor
- Supporting up to 64 GB (Base on supplier's module in the market) DDR4 3200 SDRAM, two slots
- DP x 1, HDMI x 1 (DP by BOM option), VGA x 1
- RS232/422/485 COM port x 2 (Isolated by BOM option), USB3.0 port x 3
- GigE connector x 5 (PoE x 4, GigE x 1), up to 8 PoE ports (by project base)
- 9V ~ 36Vdc, w/ surge protection & ignition control
- 8 bits DIO; Isolated by BOM option (4DI & 4DO or 8DI or 8DO)

Specifications

System	
Form Factor	Multi-PoE & Fanless Appliance
Processor	Intel® 11th Gen. Core™ i3/i5/i7 Processor (Default: i7-8665UE; Project base: i5-8365UE, i3-8145UE, Celeron 4305UE)
Chipset	—
Main Memory	Up to 64GB, DDR4-3200 260-pin SODIMM
Display	HDMI x 1, DP x 1, VGA
Ethernet	GbE, Intel i210, support Wake on LAN and PXE supported
Smart PoE	4 ports (Max. 8 ports by project base), 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	mPCIe Full-Size x 2 M.2 B (USB3.2+SATA) x 1, M.2 B (PCIe[x1] + USB) x 1
GPS, G-Sensor	Built-in GPS, Gyro & G-Sensor
Front I/O Panel	RJ45 Smart PoE Port (60W) x 4 USB 3.0 Ports x 3, Giga LAN x 1 CANBus 2.0B x 1; DP x 1 Power button HDD LED, Wireless LED Antenna holes x 2
Rear I/O Panel	jack for Line out & MIC in x 1 HDMI x 1, VGA x 1 RS-232/422/485 (Isolated by BOM option) x 2 HW Reset x 1, 3pin Power input x 1 8 bit DIO Connector (Isolated 4DI & 4DO or Isolated 8DI by BOM option) x 1 Micro SIM slots x 2 Antenna holes x 2
Storage	
HDD Tray	2.5" HDD/SSD Bay x 2
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, E13
Power Requirement	
Power Supply	DC9-36V with power ignition
Mechanical	
Removable HDD Tray	—
Internal System HDD Bay	2.5" HDD/SSD Bay x 2
Dimension	TBD
Gross Weight	TBD
Note	—

Dimension

Unit: mm

TBD

Ordering Information

- TBD

Packing List

- SATA cable x 2
- Power cable x 2 (for SATA)
- Matting connector for power input
- VPC-5630S

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
- **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)
- **9651335001**
Package of VPC-3350S mating connectors