

V6S Series

Fanless Vehicle NVR with 10x PoE Ports



■ Features

- Intel® Core™ i7-7600U Dual Cores Processor
- MIL-STD-810G and E-mark certified
- 10x PoE ports with Intel i210IT (5 with PoE+), 1x GbE RJ45 with i210IT
- 1 x full-sized Mini-PCIe with dual SIM card reader for LTE/ WiFi, and 1x removable PGN Caddy with dual SIM card readers (Option)
- 2 x Swappable 2.5" HDD drive bays
- 2x COM, 4x USB, 6x DI/DO, optional CAN bus, Audio, DVI/VGA

■ Preliminary Specifications

System

CPU	Intel® Core™ i7-7600U
Frequency	Up to 2.8 GHz
Core Number	Dual-core
BIOS	AMI SPI Flash BIOS
Chipset	SoC
Processor Graphics	Intel integrated HD Graphics 620

Fanless

Yes

Memory

Technology	DDR4 2133 SO-DIMM Socket x2
Max. Capacity	Up to 32GB, pre-installed 8GB

Ethernet

Controller	11x RJ45 with 3x Intel i210IT
Speed	10/100/1000 Mbps
Interface	RJ-45
PoE	5x IEEE802.3at PoE+ + 5x IEEE802.3af PoE ports

Storage

Type	SATA
Installation	2x Removable 2.5" drive bays (HDD/SSD is not included)
Type	mSATA
Installation	mSATA socket, pre-installed 128GB

I/O

COM	2x RS-232/422/485 with RI/5V
USB	2x USB 3.0 Type A, 2x USB 2.0 Type A
Digital I/O	6x DI 5V or 12V TTL selectable 6x DO 12V TTL, Max. 100mA 2x IGN-DI of ignition control to MCU
Antenna	7x SMA antenna holes (includes GPS)
Audio	1x DB9 for MIC-in and Line-out
Display	DVI-D/VGA
CAN bus	1x 2x5 pin header for output connection to DB-9 male external connector, 1x Onboard connector to support optional CAN Module

Expansion

PCIe	1 x full-sized Mini-PCIe with dual SIM card reader for LTE/ WiFi, and removable PGN Caddy with dual SIM card readers (Option)
------	---

Cooling

Processor	Passive CPU heatsink
System	Fanless design with corrugated aluminum

Environment

Operating Temperature	-20~60°C / -4~140°F (without battery backup)
Storage Temperature	-20~70°C / -4~158°F
Relative Humidity	5%~95% @ 40°C / 104°F (Storage Level)

Miscellaneous

Hardware Monitoring	Fintek F81866AD-I integrated watchdog timer 1~255 level
Internal RTC with Li Battery	Yes

Mechanical

Dimension (W x D x H)	307 x 188 x 105.2 mm (V6S) 223 x 143.8 x 45.7 mm (IV-VPB6SA1A)
Weight	5.5 kg
Mounting	Wall mount kit

Power

Connector	3-pin terminal block (+, -, ignition)
Input	DC 9~36V (+, -, ignition) supports ATX mode support ignition delay on/ off control

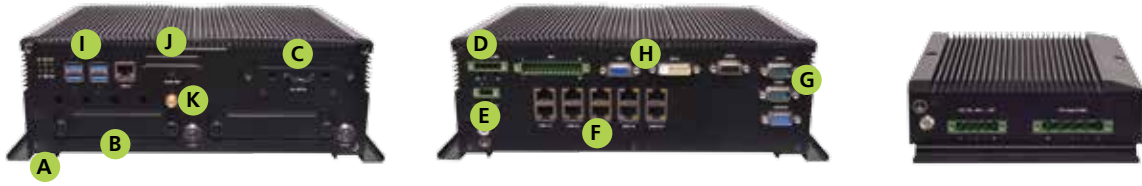
Driver Support

Microsoft Windows	Win10 IoT
Linux	Redhat Enterprise 5, Fedora 14. Linux Kernel 2.6.18 or later

Certification

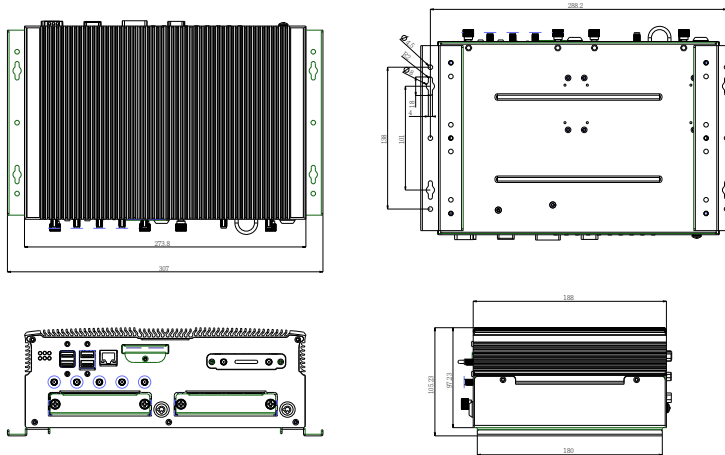
EMC	CE Class A, FCC Class A, RoHS
Safety	E-13 include ISO-7637-2

Product I/O View

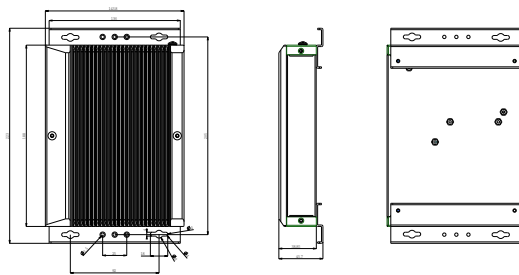


- | | | | |
|------------------------------|-------------------------|--------------------|------------------|
| A Wall mount kit | D DC Input | G COM x 2 | J SIM x 2 |
| B Swappable Drive Bay | E DC Relay & PoE | H VGA / DVI | K Antenna |
| C Swappable PGN Caddy | F PoE x 10 | I USB | |

V6 Series Dimensions 307 x 188 x 105.2 mm



IV-VPB6SA1A Dimensions 223 x 143.8 x 45.7 mm



Ordering Information

- | | |
|----------------|--|
| V6SA | Intel® Core i7-7600U in-vehicle Mobile NVR with 10x Intel GbE PoE and IV-VPB6SA1A, External 200w DC power adapter for +9V~36Vdc input with Ignition. |
| PGN-300 | 4G LTE Radio Modem with LTE Cat-6 embedded module, certified with PTCRB, AT&T, Verizon. |
| PGN-600 | 4G LTE-Advanced Pro Radio Modem with LTE Cat-12 embedded module, certified with PTCRB, AT&T. |

V12-2020,7,22

Lanner

© Lanner Electronics Inc. All rights reserved.
 All product specifications are subject to change without notice.
contact@lannerinc.com | www.lannerinc.com