

# Embedded PC

Intel® Core™ i7-3517UE In-Vehicle Computer, DDR3 SODIMM x2, mSATA x1, 2.5" Removable Drive Bay x2, Mini-PCIe x2 with one SIM card reader, Intel GbE x2 + Intel GbE x8 PoE Ports, USB x6, COM x2, PC Audio, Digital I/O integrated DIx4, DOx3, remote power button and 12VDC output, DC Power input +9~36Vdc with Ignition, Suspending Kit and PoE Power Adapter included.

**Model: LPC-V7-A3**



## Features

### Multiple PoE LAN ports to support Transport Surveillance

This mobile NVR with 8 PoE ports (IEEE 802.3af) is suitable for IP Video Surveillance and real time recording applications.

### Fanless Design with Corrugated Aluminum

The corrugated aluminum casing allow heat to dissipate off the top of the platform allowing for a fanless design.

### Vehicle Ignition Power Management

Detect the ignition on/off status and allow controlling delay time by flexible setting via software utility.

### Design for MIL-STD-810G with Extreme Vibration Resistance

LPC-V7-A3 is in compliance with MIL-STD-810G in vibration and shock with SSD storage and Suspension Kit for further harsh environment.

### Convenient DC output

LPC-V7-A3 offer 9~36VDC (max 10A) output for external devices. It can be enabled or disabled via software.

### Design for MIL-STD-810G with Extreme operating temperature

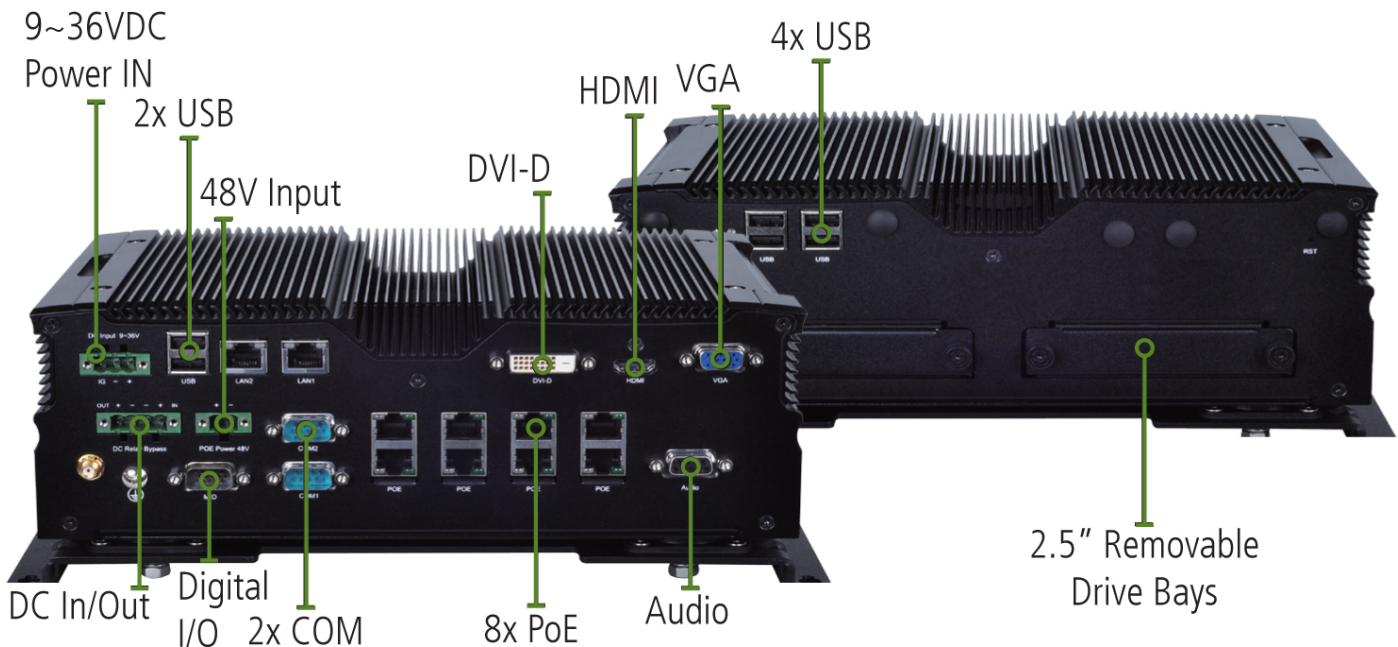
This product is ruggedized to support a wider than usual range of temperatures. Outfitted with industrial components (SSD, Memory) this appliance can thrive in harsh conditions.

### Diversity of Digital Input/Output Support

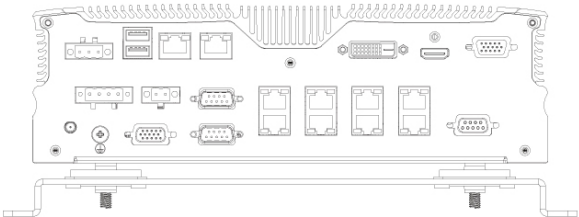
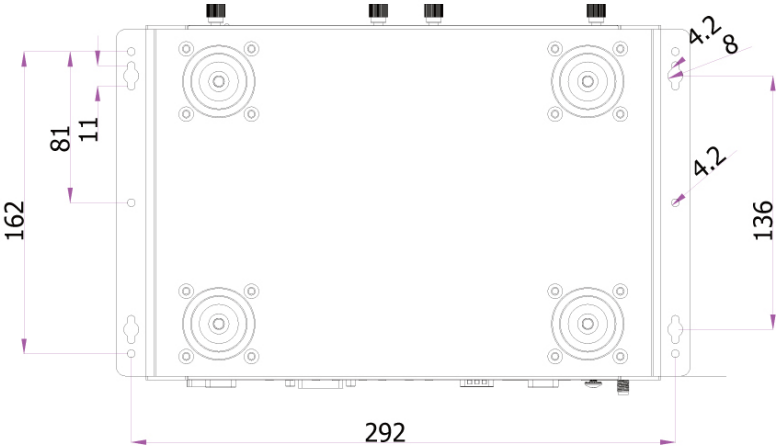
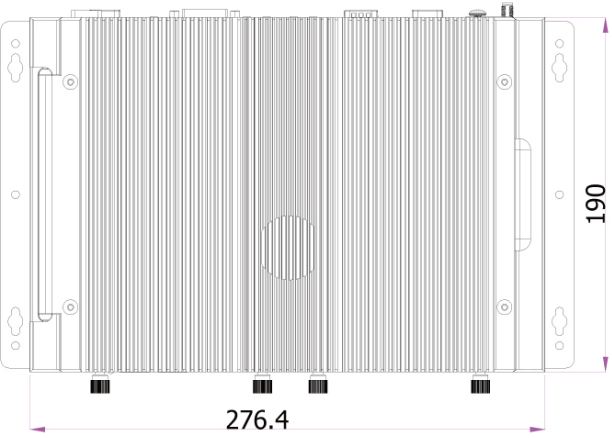
LPC-V7-A3 supports 2x DI (Digital Input from MCU) which can connect sensors to detect the environment. Once certain events occur, LVC-5770 can be turned on automatically. DI/DO supports 5V level for easy usage with vehicle parts.

### 2.5" Removable Drive Bays

The LPC-V7-A3 supports two 2.5" removable drive bays and SATA hard drive from 7mm to 15mm height, it making switching and swapping drives easier in the fields. Dimensions: 276.4



# Dimensions: 276.4 x 190 x 93.5 mm



## Specifications

<b>Dimensions (WxHxD)</b>		276.4 x 190 x 93.5 mm
<b>Processor</b>		Intel® Core™ i7-3517UE Processors
<b>Chipset</b>		Intel HM65
<b>System Memory</b>	Technology	DDR3 SO-DIMM x2
	Max. Capacity	Up to 16GB
<b>Storage</b>	SATA	Removable 2.5" SSD/HDD drive bay x2, SATA hard drive from 7 mm to 15 mm height, mSATA x1
<b>Ethernet Controller</b>		Intel 82574L x2
<b>Graphic Controller</b>		Intel integrated HD graphic engine
<b>Audio Controller</b>		Realtek ALC886 HD codec
<b>IO</b>	LAN	GbE RJ45 x2
	Display	DVI-D, maximum resolution up to 1920x1200@75Hz VGA, maximum resolution up to 2048x1536@60Hz HDMI, maximum resolution up to 1920x1200@60Hz
		Dual display function supports Independent, clone and extended mode.(VGA+DVI or VGA+HDMI)
	Audio	Mic-in and Line-out with 2 watt by DB9 female connector
	Serial I/O	2x RS-232/422/485 with RI/5V/12V
	GPS	Ublox NEO-7N GPS receiver module
	G-sensor	ADXL 345
	GPIO	4x DI 5V Level 3x DO 5V Level 2x DI (from MCU) 3.3V Level
	USB 2.0	Type A x6
	Power Input	3-pin terminal block (+, -, ignition)
	Expansion	Mini-PCIe x2 (one with SIM card reader)
	PoE	PoE x 8, IEEE 802.3af, standard PoE
Others	External: 3x SMA antenna hole, reset, Remote Power switch Internal: 9~36Vdc (max.10A) On/Off software controlable	
<b>Power Input</b>		+9~36VDC input range, ATX mode support ignition delay on/off control
<b>PoE Power Adapter</b>		LVP-POE936A included
<b>OS Support</b>		Linux: Redhad Enterprise 5/ Fedora 14. Linux Kernel 2.6.18 or later Windows: Microsoft Windows 7/XP/XP pro; Embedded/7 Embedded
<b>Certifications</b>		CE, FCC Class A, E13, RoHS
<b>Compliance</b>		Vibration: MIL-STD-810G, Method 514.6 Shock:MIL-STD-810G, Method 516.6
<b>Operating Temperature Range</b>	Extended	With Selected Industrial Components -20~55°C/-4~131°F
	Standard	With Commercial Components -5~45°C / 23~113°F