Embedded PC

Intel® Celeron 1047UE In-Vehicle Mobile DVR Computer, with 8Ch Video Input, 4GB DDR3 Memory included, 2.5" Removable Drive Bay, Mini-PCIe x2 with two SIM card reader, Intel GbE x4, USB x4, COM x2, DIO, Audio, Power input +9~36Vdc with Ignition, Suspension Kit included.

Model: LPC-V5XDVR-A1

Features

Multiple GbE LAN ports to support Transport Surveillance
This mobile DVR with 4 GbE ports is suitable for IP Video Surveillance and CCTV real-time recording applications.

Designed for MIL-STD-810G with Extreme Vibration Resistance
LPC-V5XDVR-A1 Series is in compliance with MIL-STD-810G vibration and shock standards and includes SSD storage and a Suspension Kit to further improve robustness.

Fanless Design with Corrugated Aluminum
The corrugated aluminum casing lets heat dissipate through the top of the device, allowing for a fanless design.

Convenient DC output
The LPC-V5XDVR-A1 offers 12VDC output (max 1A) for external devices, operational in concert with the Ignition Power Management feature.

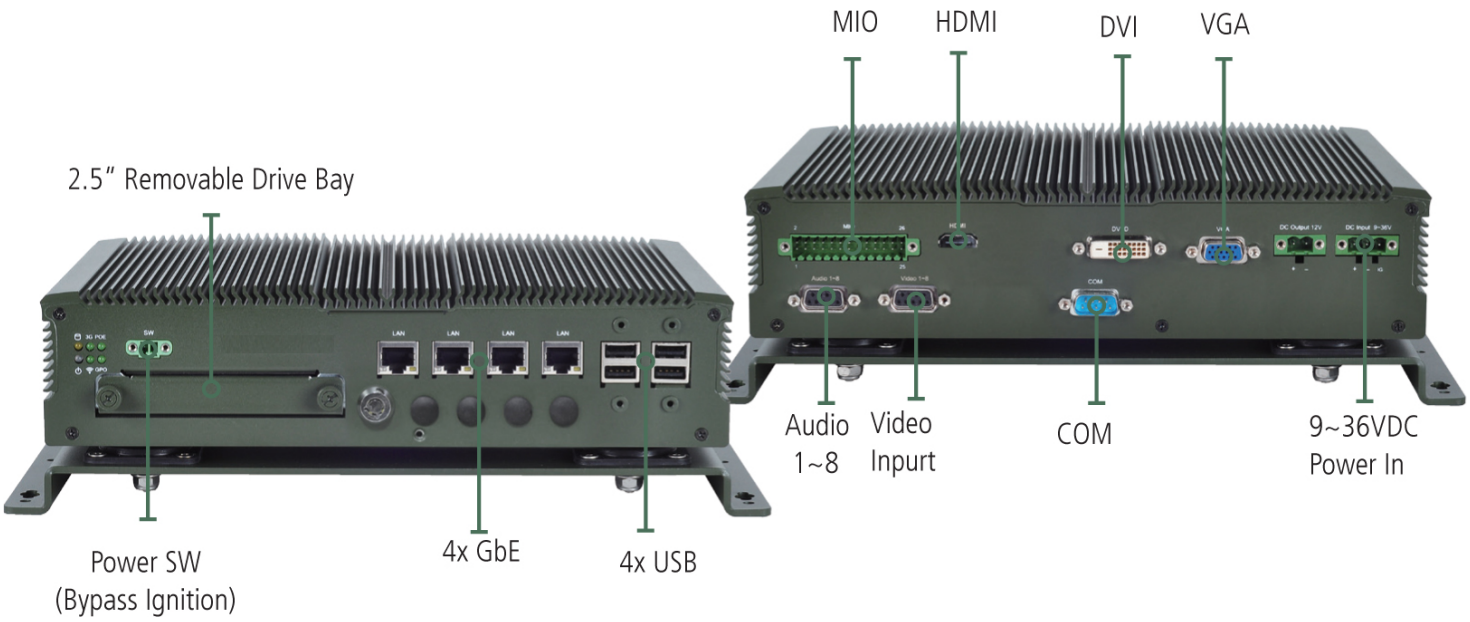
Key lock for Drive Bay
The system is with key lock for removable drive bay.

Vehicle Ignition Power Management
Detects vehicle ignition on/off status and allows flexible control of the delay time via software utility.

Analogue Video Grabber
The analogue solution is a high-quality, high-performance video capture device with on-board hardware H.264 compression engine can record live video from cameras into high-quality H.264 Baseline Profile files, which is specially designed for surveillance applications and supports up to 8 channels of video inputs and 1 channel of audio input.

Settings and Installation via the front panel
MCU setting and CF card and SIM card installation is easy to access simply by opening the front panel.

Digital I/O
The Digital I/O design includes 12V Level DI/O, audio, MCU TX/RX and also includes 2x DI (Digital Input from MCU) which can connect sensors to detect the environment. Once defined events occur, the LPC-V5XDVR-A1 can be turned on automatically.



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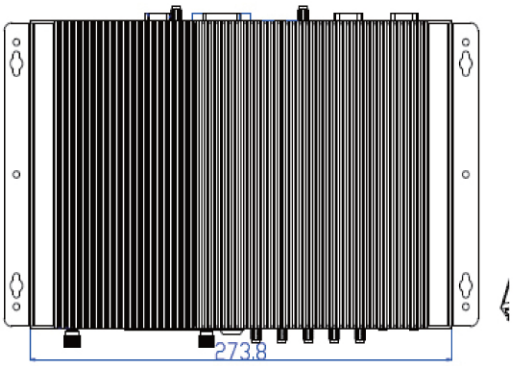
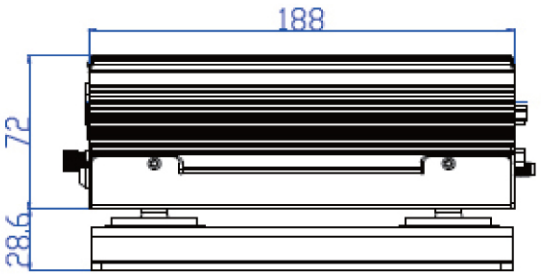
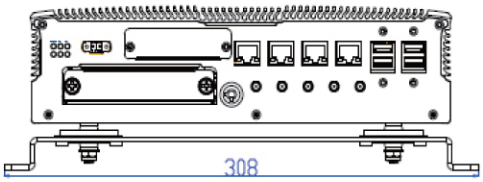
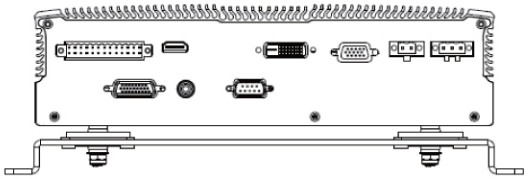
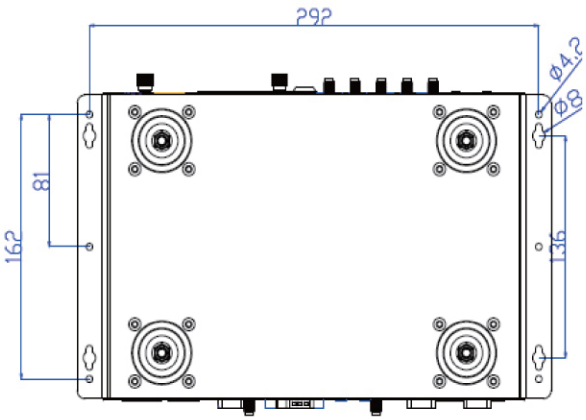
Dimensions: 273.8 x 72 x 188 mm (10.78” x 2.84” x 7.4”)

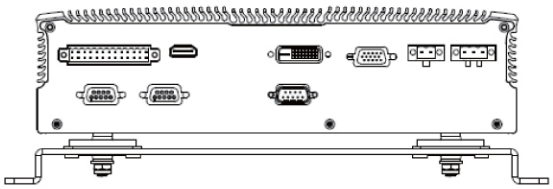












Specifications

Dimensions (WxHxD)		273.8 x 72 x 188 mm (10.78” x 2.84” x 7.4”)
Processor		Intel® Celeron® 1047UE Processor
Chipset		Intel HM65
System Memory	Technology	DDR3 SO-DIMM x1 (Factory default: 4GB module pre-installed)
	Max. Capacity	Up to 8GB
Storage	SATA/CF	Removable 2.5” SSD/HDD drive bay x1, CF socket x1
Ethernet Controller		Intel 82583V x4
Graphic Controller		Intel integrated HD graphic engine
Audio Controller		Realtek ALC886 HD codec
IO	LAN	GbE RJ45 x 4
	Display	DVI-D, maximum resolution up to 1920x1200@75Hz VGA, maximum resolution up to 2048x1536@60Hz HDMI, maximum resolution up to 1920x1200@75Hz
		Dual display supports Independent, clone and extended mode.
	Audio	Mic-in and Line-out with 2 watt by terminal block MIO connector
	Serial I/O	1x RS-232/422/485 both with RI/5V/12V
	GPS	Ublox NEO-7N GPS receiver module
	G-sensor	ADXL 345
	Digital I/O	4x DI and 4x DO with 5V/12V Level by jumper setting 2x DI (from MCU) 3.3V Level 2x DO control relay with contact current @ 2A
	USB 2.0	Type A x4
	Power Input	3-pin terminal block (+, -, ignition)
	Power Output	12 V / 1A DC
	Expansion	Mini-PCIe x2 (Both with SIM card slot)
	Video Grabber	Techwell TW5866 H.264 Hardware En/Decoder with SDK supports for 8x Analogue Video Input & 8x Audio Input
	PoE	N/A
	Others	External: 5x SMA antenna hole, Remote Power switch Internal: Lanner Proprietary DI/O
Power Input		+9~36VDC input range, with ignition delay on/off control
PoE Power Adapter		N/A
OS Support		Linux: Redhat Enterprise 5/ Fedora 14. Linux Kernel 2.6.18 or later Windows: XP embedded ; Win7 Pro FES/Embedded; Win8
Certifications		CE, FCC Class A, E13, RoHS
Compliance		Vibration: MIL-STD-810G, Method 514.6 Shock:MIL-STD-810G, Method 516.6
Operating Temperature Range	Extended	With Selected Industrial Components: -20~55°C/-4~131°F
	Standard	With Commercial Components: -5~45°C / 23~113°F