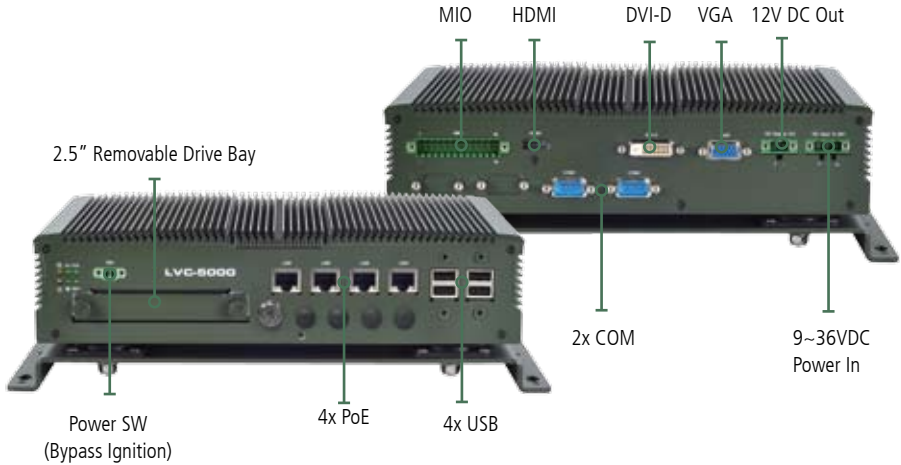


LVC-5000N4

Fanless Mobile NVR with Intel® Celeron® 847E series featuring 4 PoE Ports for Transport Surveillance



Features

Multiple PoE LAN ports to support Transport Surveillance

This mobile NVR with 4 PoE ports (IEEE 802.3af) is suitable for IP Video Surveillance and real-time recording applications.

Designed for MIL-STD-810G with Extreme Vibration Resistance

LVC-5000N4 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 LVC-5000N4 series offers 12VDC regulated output (max 1A) for external devices, operational in concert with the Ignition Power Management feature.

Vehicle Ignition Power Management

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

Modularized and customizable design

The LVC-5000N4 series design features the Lanner Proprietary Internal Multi-IO Interface, which carries signals for 2 USB ports, 4 x UART, 4 x Digital I/O, 2 x PCIe, and 1 x SATA 2.0. This allows for customized add-on modules for other features.

Key lock for Drive Bay

The system is with key lock for removable drive bay.

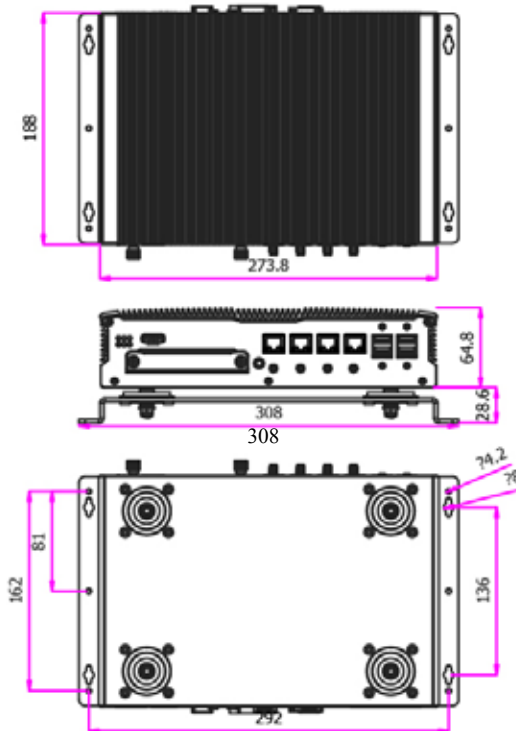
Settings and Installation via the front panel

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

Multi I/O

The MIO design includes 12V Level GPIO, 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 LVC-5000N4 can be turned on automatically.

Dimensions: 273.8 x 64.8 x 188 mm (10.78" x 2.55" x 7.4")



Specifications

Dimensions (WxHxD)		273.8 x 64.8 x 188 mm (10.78" x 2.55" x 7.4")
Processor		Intel® Celeron® 847E Processors
Chipset		Intel HM65
System Memory	Technology	DDR3 SO-DIMM x1 (Factory default: 4GB module pre-installed)
	Max. Capacity	Up to 8GB (user option)
Storage	SATA/CF	Removable 2.5" SSD/HDD drive bay x1 for LVC-5000N4, 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 x4
	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 function supports Independent, clone and extended mode.(VGA+DVI or VGA+HDMI)
	Audio	Mic-in and Line-out with 2 watt by terminal block MIO connector
	Serial I/O	1x RS-232 and 1x RS-232/422/485 both with RI/5V/12V
	GPS	Ublox NEO-6Q GPS receiver module
	G-sensor	ADXL 345
	GPIO	4x DI (5V or 12V TTL selectable) 4x DO (12V TTL , Max. 100mA) 2x DO control Relay support 9~36V@max 2A each 2x DI to Ignition MCU as remote control (5V TTL)
	USB 2.0	Type A x4
	Power Input	3-pin terminal block (+, -, ignition)
	Power Output	12 VDC/1A
	Expansion	Mini-PCIe x2 (Both with SIM card reader)
	PoE	PoE x4, IEEE 802.3af, Standard PoE
	Others	External: 4x SMA antenna hole, Remote Power switch Internal: Lanner Proprietary MIO
Power Input		+9~36VDC input range, with ignition delay on/off control
PoE Power Module		Internal integrated
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

Ordering Information

LVC-5000N4

Intel® Celeron® 847E In-Vehicle Mobile NVR Computer, 4GB DDR3 Memory included, 2.5" Removable Drive Bay, Mini-PCIe x2 with two SIM card reader, Intel GbE x4 with PoE support, USB x4, COM x2, MIO, Audio, HDMI, DC Power input +9~36Vdc with Ignition, Suspension Kit included.

V1.1.0