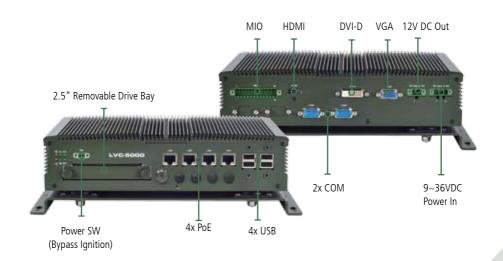
### LVC-5000N4

#### 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 Settings and Installation via 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.

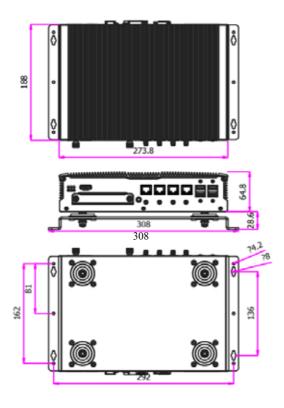
## the front panel

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**

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
10	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
	Audio	mode.(VGA+DVI or VGA+HDMI)  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 4x DI ( 5V or 12V TTL selectable)
	GPIO	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 Tem- perature 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-PCle 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.