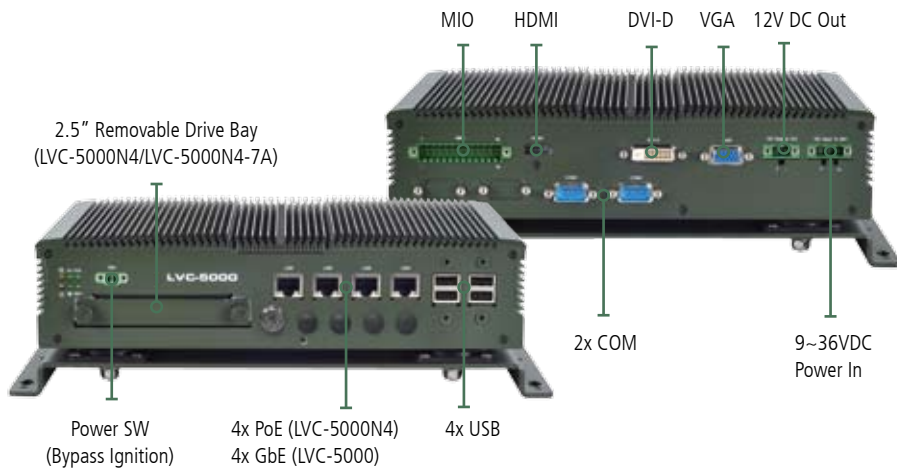


LVC-5000

Fanless Mobile NVR with Intel 847E / i7-2655LE 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-5000 series offers 12VDC 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-5000 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.

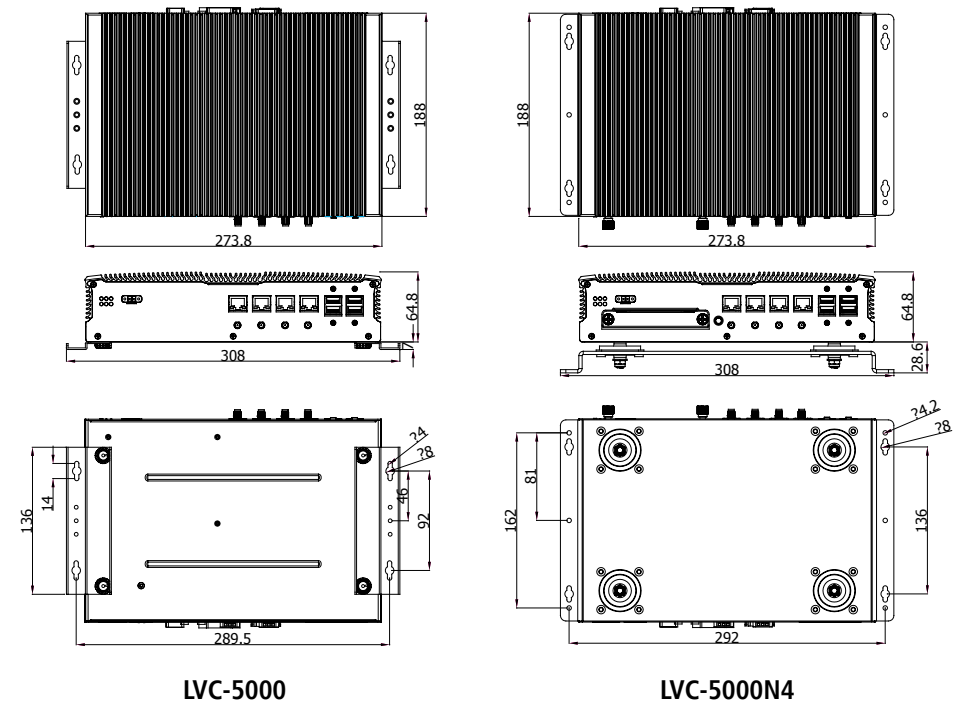
Settings and Installation via the front panel

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-5000 can be turned on automatically.

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



Preliminary Specifications

| | | |
|------------------------------------|--|---|
| Dimensions (WxHxD) | | 273.8 x 64.8 x 188 mm (10.78" x 2.55" x 7.4") |
| Processor | | Intel 847E/i7-2655LE 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, Internal 2.5" SSD/HDD drive bay x1 for LVC-5000; 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 and 4xDO 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) |
| | Expansion | Mini-PCIe x2 (Both with SIM card reader) |
| | PoE | PoE x4, IEEE 802.3af, Standard PoE (LVC-5000N4) |
| 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 | | LVC-5000N4 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-5000N4-7A | Intel® i7-2655LE 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. |
| LVC-5000N4 | Intel® 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. |
| LVC-5000 | Intel® 847E In-Vehicle Computer, 4GB DDR3 Memory included, Internal 2.5" Drive Bay, Mini-PCIe x2 with two SIM card reader, Intel GbE x4, USB x4, COM x2, MIO, Audio, HDMI, DC Power input +9~36Vdc with Ignition, wall mount kit included. |