

LVC-5000-A0

Fanless Mobile Computer with Intel 847E for Transport Fleet Management Solution



Features

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

LVC-5000-A0 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-A0 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.

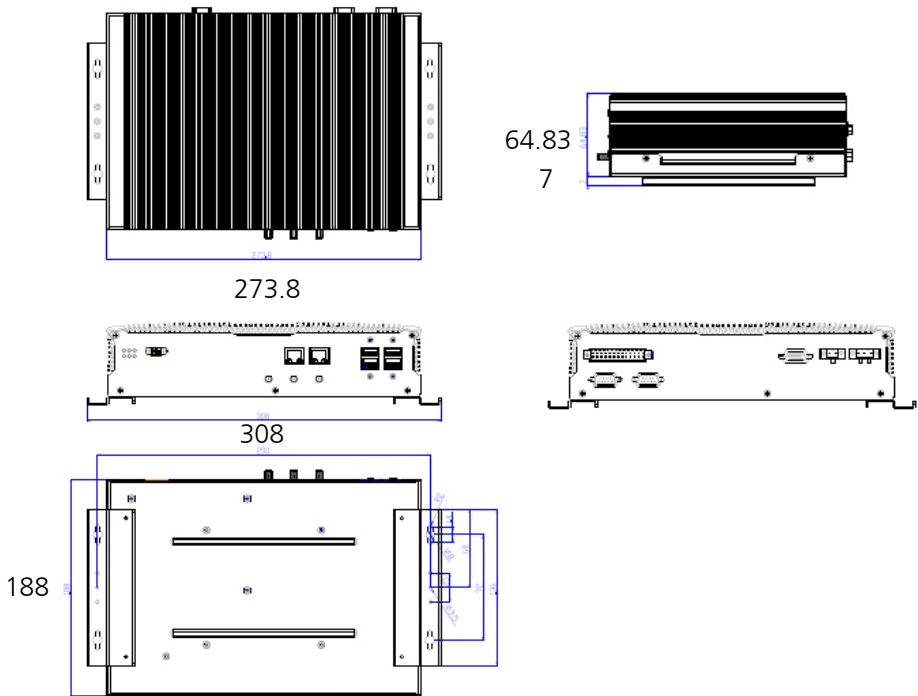
Settings and Installation via the front panel

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 series can be turned on automatically.

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



Preliminary Specifications

Dimensions (WxHxD)		273.8 x 72 x 188 mm (10.78" x 2.84" x 7.4")
Processor		Intel® Celeron® 847E
Chipset		Intel HM65
System Memory	Technology	DDR3 SO-DIMM x1 (Factory default: 4GB module pre-installed)
	Max. Capacity	Up to 8GB
Storage	SATA/CF	Internal 2.5" SSD/HDD drive bay x1, CF socket x1
Ethernet Controller		Intel 82583V x2
Graphic Controller		Intel integrated HD graphic engine
Audio Controller		Realtek ALC886 HD codec
IO	LAN	GbE RJ45 x 2
	Display	VGA, maximum resolution up to 2048x1536@60Hz
	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
	GPIO	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	N/A
	PoE	N/A
	Others	External: 3x 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-5000-A0

Intel® 847E In-Vehicle Computer, 4GB DDR3 Memory included,
Internal 2.5" Drive Bay, Mini-PCle x2 with two SIM card reader,
Intel GbE x2, USB x4, COM x2, MIO, Audio,
Power input +9~36Vdc with Ignition, wall mount kit included.