LVC-5000-A0

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

COM1 MIO COM2

12V Power Out

VGA

9~36V Power In

Power SW (Bypass Ignition)

Antenna 2x GbE LAN 4x USB

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.
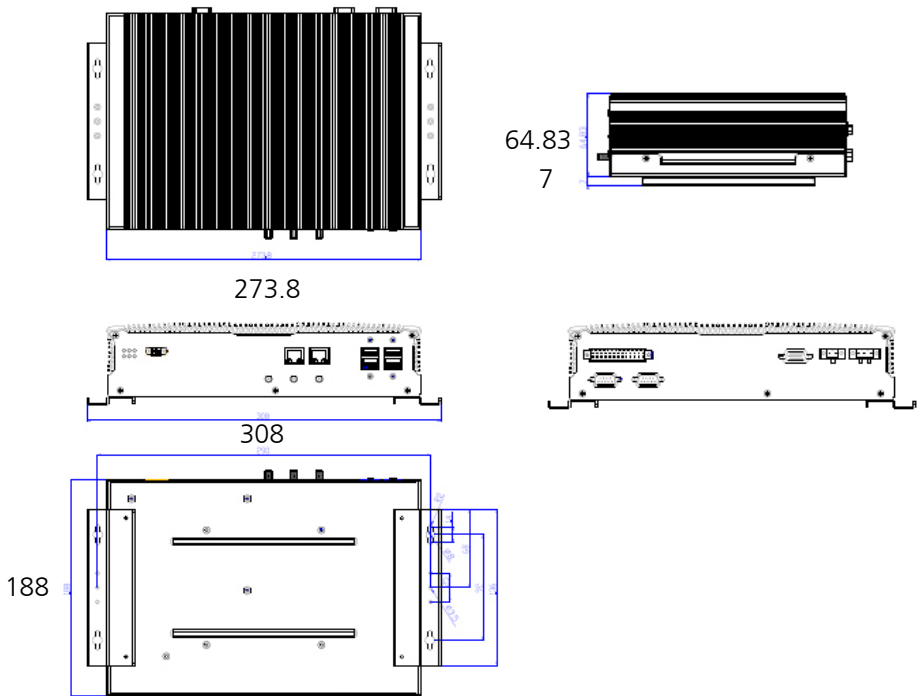
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Settings and Installation via the front panel

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″)

273.8

64.83

7

308

188

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

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Ordering Information

LVC-5000-A0	Intel® 847E In-Vehicle Computer, 4GB DDR3 Memory included, Internal 2.5″ Drive Bay, Mini-PCIe 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.

V1.0.0