

LVC-2001

Fanless Vehicle Gateway Controller
with Intel® Atom™ E3845



Features

- Compact fanless vehicle computer with Intel® Atom™ E3845 / E3825 CPU
- 1 x DDR3L SODIMM max up to 4 GB memory
- 2 x Intel® 10/100/1000 Mbps RJ-45 ports
- 3 x mini-PCIe slots with total 4 external accessible SIM slots, 3G/4G LTE
- Compliant with MIL-STD-810G vibration/shock resistance
- Onboard GPS receiver module and G-sensor

Specifications

Processor

CPU	Intel® Atom SoC E3845 / E3825 CPU
Frequency	1.91 GHz / 1.33 GHz
Core Number	4 / 2
BIOS	AMI SPI Flash BIOS
Chipset	N/A (SoC)

Fanless

Yes

Memory

Technology	DDR3L SODIMM
Max. Capacity	Max Up to 4 GB

Graphic

Controller	Intel HD Graphics
Display	VGA x 1, HDMI x1

Ethernet

Controller	2 x Intel® i210-IT
Speed	10/100/1000 Mbps
Interface	2 x RJ45

Storage

Type	1 x SATA 2.0, 1 x mSATA
Installation	1 x Internal 2.5" 9.5 mm drive bay

I/O

Serial I/O	COM1/COM2: 2 x RS-232/422/485 with RI/5V/12V
USB	1 x USB 3.0 type A, 1 x USB 2.0 type A
CAN Bus	A1 SKU: 1x CAN Bus for J1939/J1708 on COM3 PORT B1 SKU: 1x CAN Bus (Optional for OEM)
GPS/G-sensor	u-blox NEO-7N / ADXL 345
Expansion	2x Full-size mini-PCIexpress socket (1x USB+P-Cle+2x SIM; 1x USB+2 x SIM) 1x half-size mini-PCIexpress socket (USB+PCIe)

Hardware Monitoring

Fintek F81865 integrated watchdog timer 1~255 level

Power

Power Input	3-pin terminal block (+,-,ignition), +9~36VDC, ATX mode support ignition delay on/ off control
Power Output	12V/1A DC out
Power Adaptor	Optional

Environment

Operating Temperature - Industrial	-20~60°C
Operating Temperature - Commercial	-5~45°C
Relative Humidity	5% ~ 95%, non-condensing

Mechanical

Dimension (W x H x D)	198 x 52 x 185 mm
Construction	Heavy Steel
Weight	1.8 kg
Mounting	Wall mount

Driver Support

Windows	WES7 (WS7E) /W7 Pro SP1 / WE8 STD /WIN 10 IOT/ WIN 10 IOT Retail and TC
Linux	Redhat Enterprise 5, Fedora 14, Linux Kernel 2.6.18 or later

Certification

EMC	CE/FCC Class A, E13, RoHS
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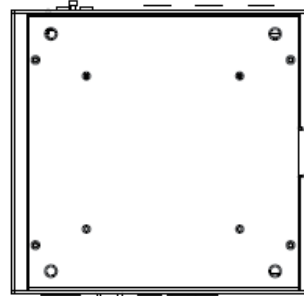
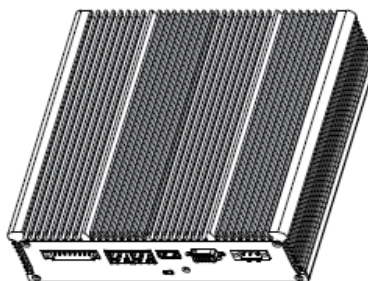
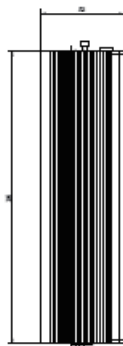
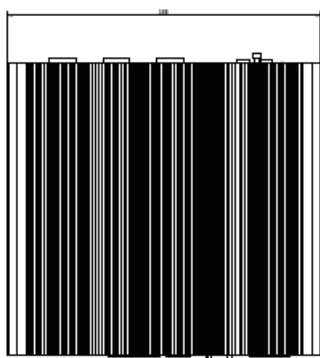
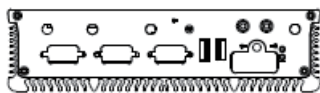
Compliance

Vibration/Shock	Vibration: MIL-STD-810G, Method 514.6 Shock: MIL-STD-810G, Method 516.6
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|---------------------------------|-----------------------|--------------------|-------------------|
| A Service Window for SIM | D COM/CAN Port | G LAN Ports | J DC Input |
| B Audio/MIC Ports | E COM | H HDMI | |
| C USB | F MIO | I VGA | |

■ Dimensions 198 x 52 x 185 mm



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■ Ordering Information

- LVC-2001-A1** Intel® Atom SoC E3845 CPU In-Vehicle Computer, 1 x DDR3L SODIMM, Mini-PCIe x3, USB 3.0 host x 1, USB 2.0 host x1, Serial port x3, CAN Bus x1, DC Power input +9~36Vdc with Ignition
- LVC-2001-A2** Intel® Atom SoC E3825 CPU In-Vehicle Computer, 1 x DDR3L SODIMM, Mini-PCIe x3, USB 3.0 host x 1, USB 2.0 host x1, Serial port x2, Optional CAN Bus x1, DC Power input +9~36Vdc with Ignition