

LVR-5700

Fanless Rolling Stock Computer with Intel® Core™ i7-3517UE Processor



■ Features

- Intel® Core™ i7-3517UE Processor
- Compliant with EN50155 and MIL-STD-810G standard
- Mobile NVR with 8x rugged M12 PoE ports
- 2 x Mini-PCIe slots with 1 SIM card reader
- Wide range operating temperature from -20 to 60°C

■ Preliminary Specifications

Processor System

CPU	Core™ i7-3517UE
Frequency	1.7 GHz
Core Number	2-core
BIOS	AMI SPI Flash BIOS
Chipset	HM65

Fanless

Yes

Memory

Technology	Single Channel DDR3 1333/1600 MHz, 1.5 V, Non-ECC
Max. Capacity	16 GB
Socket	2 x 204-pin SODIMM

Ethernet

Controller	2 x Intel 82574L, 8 x Intel 82583V
Speed	10/100/1000 Mbps
Interface	RJ-45
PoE	8 x IEEE 802.3af PoE ports, External PoE Adapter

Storage

Type	SATA
Installation	Removable 2.5" 15mm drive bay x2 (HDD/SSD is not included)
Type	mSATA
Installation	1 x mSATA socket

I/O

Reset Button	1
COM	2 x RS232/422/485 with RI/5V/12V
USB	6 x type A USB 2.0
Digital I/O	4 x DI 5V level, 3 x DO 5V level, 2 x DI (from MCU) 3.3V level
Antenna	6 x SMA antenna holes

Expansion

PCIe	Mini-PCIe x 2 with 1 SIM card reader
------	--------------------------------------

Cooling

Processor	passive CPU heatsink
System	fanless design with corrugated aluminum

Environment

Operating Temperature	-20 ~ 60°C/-4~76°F (Follow EN50155T1)
Temperature with Commercial Components	-5 ~ 45°C/23~113°F
Relative Humidity	5~90%, non-condensing / 5~95%, non-condensing

Miscellaneous

Hardware Monitoring	Yes
Internal RTC with Li Battery	Yes

Mechanical

Dimension (W x H x D)	276.4 x 190 x 95 mm (10.88" x 7.5" x 3.7")
Weight	6 kg
Mounting	Advanced anti-vibration kit

Power

Connector	3-pin terminal block (+,-,ignition)
Input	+9~36/18~75/43~160 VDC, ATX mode support ignition on/off and delay Power-on/off by M12 connector

Driver Support

Microsoft Windows	WES2009 / XP Pro FES WES7 / W7 Pro SP1 / WE8 STD
Linux	Linux Kernel 2.6.18 or above

Certification

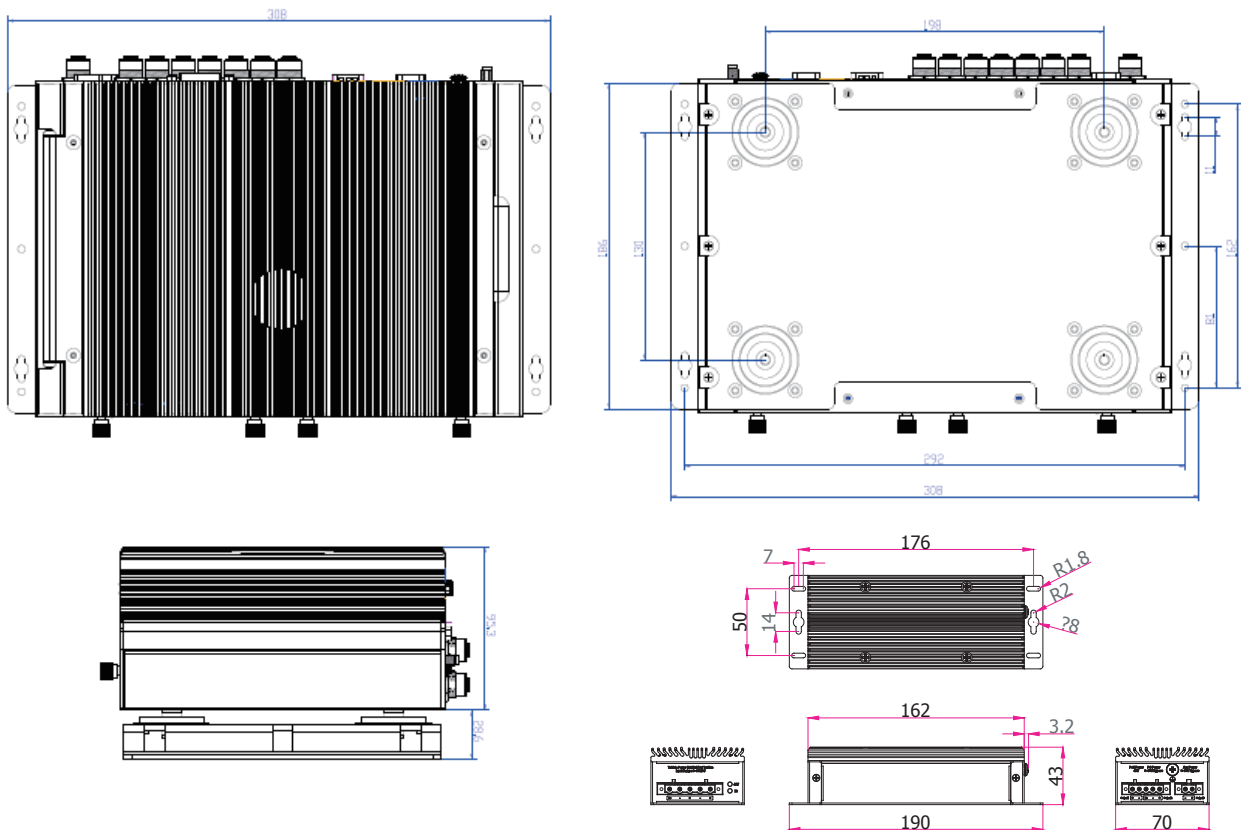
EMC	CE Class A, FCC Class A, RoHS, EN50155
Safety	N/A

Product I/O View



- A** Advanced anti-vibration kit
- B** Swappable Drive Bay
- C** Antenna Hole
- D** DC Input
- E** DC Relay & PoE
- F** PoE x 8
- G** COM x 2
- H** DVI / HDMI / VGA
- I** External PoE Adapter

LVR-5700 Dimensions 276.4 x 190 x 95 mm (10.88" x 7.5" x 3.7") LVP-POE936X Dimensions 70 x 176 x 43 mm (2.75" x 6.92" x 1.69")



LVR-5700

Ordering Information

LVR-5700

Fanless Rolling Stock Computer with Intel® Core™ i7-3517UE Processor and External 48V POE power supply
LVP-POE936X

V.1-2015.5.19

Lanner

© Lanner Electronics Inc. All rights reserved.
All product specifications are subject to change without notice.
connect@lannerinc.com | www.lannerinc.com