LVC-5570-7C

Fanless In-Vehicle Computer with Intel Core i7-3517UE Processor

9~36VDC Power IN — 2x USB — 2x LAN — 2x COM — DVI-D — HDMI — 4x USB — Removable HDD/SSD — Removable HDD/SSD — Antenna — DC In/Out — 3G Audio — PC Audio — Dual SIM — MIO — VGA
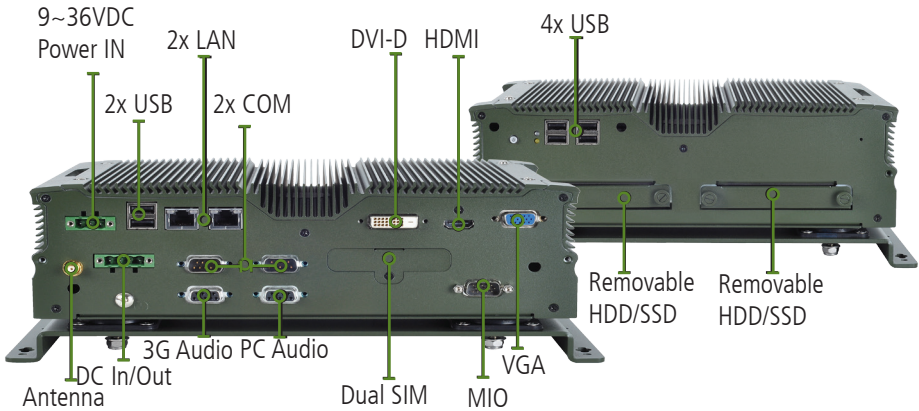
Features

Fanless Design with Corrugated Aluminum

The corrugated aluminum casing allow heat to dissipate off the top of the platform allowing for a fanless design.

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

LVC-5570 is in compliance with MIL-STD-810G in vibration and shock with SSD storage. The Suspension Kit is also available for further harsh environment.

Vehicle Ignition Power Management

Detect the ignition on/off status and allow controlling delay time by flexible setting via utility.

Design for Extreme Operating temperature

This product is ruggedized to support a wider than usual range of temperatures. Outfitted with industrial components (SSD, Memory) this appliance can thrive in harsh conditions.

Diversity of Digital Input/Output Support

Besides 4x DI, 3x DO with 12V TTL level for easy usage with vehicle parts., additionally LVC-5570 supports 2x DI (5V TTL for MCU) which can connect sensors to detect the environment. Once certain events occur, LVC-5570 can be turned on automatically.

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3G Voice Communication

This vehicle PC supports 3G voice communication which allows people can communicate with operating center through voice directly. (Validated MC-8090/8092 3G module Only)
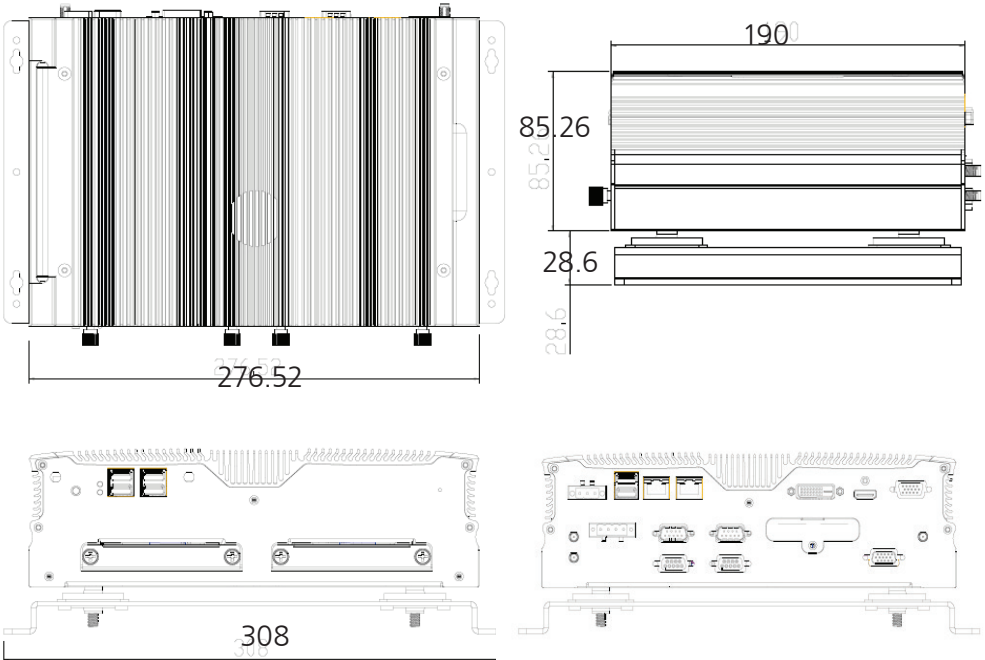
Convenient DC Output

LVC-5570 offer 9~36VDC (max 10A) output for external devices. It can be enabled or disabled via software.

Dual Front Access SIM Card Reader

The external SIM card readers, allowing end-users to change or install a SIM card without opening the case.

Dimensions: 276.52 x 190 x 85.26 mm

85.26

28.6

276.52

190

308

Specifications

Dimensions (WxHxD)		276.52 x 85.26 x 190 mm
Processor		Intel Core i7-3517UE Processors
Chipset		Intel HM65
System Memory	Technology	DDR3 SO-DIMM x2
	Max. Capacity	Up to 16GB
Storage	SATA	Removable 2.5" 15mm SSD/HDD drive bay x2, mSATA x1
Ethernet Controller		Intel 82574L x2
Graphic Controller		Intel GMA 3659
Audio Controller		Realtek ALC886 HD codec
IO	LAN	GbE RJ45 x2
	Display	DVI-D, maximum resolution up to 1920 x 1200 @60 Hz VGA, maximum resolution up to 2048 x 1536 @75 Hz HDMI, maximum resolution up to 1920 x 1200 @60 Hz Dual display function supports Independent, clone and extended mode.(VGA+DVI or VGA+HDMI)
	Audio	1x Mic-in and Line-out (for PC) with 2 watt 1x Mic-in and Line-out (for Validated MC-8090/8092 3G module) under DB9 female connector
	Serial I/O	2x RS-232/422/485 with RI/5V/12V
	GPS	Ublox NEO-7N GPS receiver module
	G-sensor	ADXL 345
	GPIO	4x DI 12V TTL Level 3x DO 12V TTL Level 2x DI (for MCU) 5V TTL Level
	USB 2.0	Type A x6
	Power Input	3-pin terminal block (+, -, ignition)
	Expansion	Mini-PCIe x4 with 3 SIM card readers
	Others	External: 10x SMA antenna hole, reset, Remote Power switch 9~36Vdc (max. 10A) output software On/Off controlable
Power Input		+9~36VDC input range, ATX mode support ignition delay on/off control
AC Adapter		Ordering Option
OS Support		Windows: WES 2009/ XP Pro FES WES7(WS7E)/W7 Pro SP1 / WE8 STD, Linux: Redhat Enterprise 5, Fedora 14, Linux Kernel 2.6.18 or later
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 Industrial Components -30~60°C/-22~140°F
	Standard	With Commercial Components -5~45°C / 23~113°F

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Ordering Information

LVC-5570-7C	Intel® Core i7-3517UE In-Vehicle Computer, DDR3 SO-DIMM x2, Onboard 8GB SSD chip, 2.5" Removable Drive Bay x2, Mini-PCIe x4 with three SIM card reader, Intel GbE x2, USB x6, COM x2, PC Audio, Multiple I/O via DB-15 cable integrated DIx4, DOx3, remote power button and 12VDC output reserved for accessory, DC Power input +9~36Vdc with Ignition, video external cable included, Suspending Kit included.