BCD-RGD-5770-7C

Fanless In-Vehicle Computer with Intel Core i7-2655LE Processor

Power IN · 48V Input · 2x COM · 2x USB · DVI-D · HDMI · 4X USB · DC In/Out · MIO · 2x COM · 8x PoE · VGA · Audio · 2.5" Removable Drive Bays
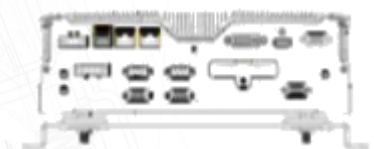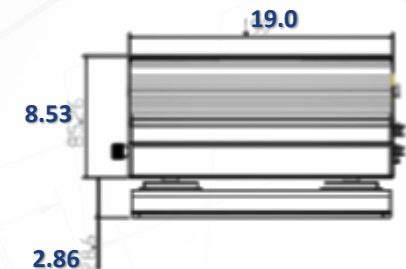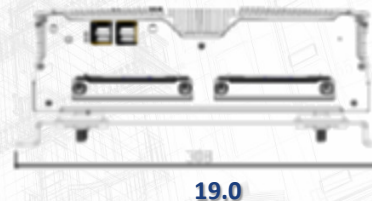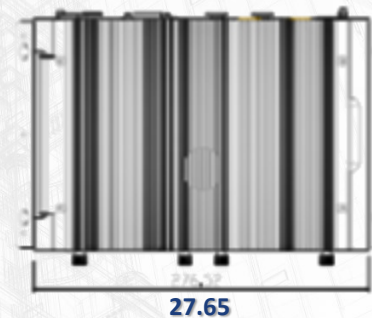
Design for MIL-STD-810G with Extreme Vibration Resistance

LVC-5770 is in compliance with MIL-STD-810G in vibration and shock with SSD storage and Suspension Kit for further harsh environment.

Diversity of Digital Input/ Output Support

LVC-5770 supports 2x DI (Digital Input from MCU) which can connect sensors to detect the environment. Once certain events occur, LVC-5770 can be turned on automatically. DI/DO supports 12V level for easy usage with vehicle parts

Features

Multiple PoE LAN ports to support Transport Surveillance

This mobile NVR with 8 PoE ports (IEEE 802.3af) is suitable for IP Video Surveillance and real time recording applications.

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 operating temperature

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

Vehicle Ignition Power Management

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

Convenient DC output

LVC-5770 offer 9~36VDC (max 10A) output for external devices. It can be enabled or disabled via software.

Dimensions 27.6 x 19.0 x 8.53cm

27.65 · 19.0 · 8.53 · 2.86 · 19.0

Specifications

Dimensions (WxHxD)		27.65 x 19.0 x 8.53cm
Processor		Intel Core i7-2655LE Processors
Chipset		Intel HM65
System Memory	Technology	DDR3 SO-DIMM x2
	Max. Capacity	Up to 16GB
Storage	SATA	Removable 2.5" SSD/HDD drive bay x2, on-board 8GB SSD
Ethernet Controller		Intel 82574L x2
Graphic Controller		Intel integrated HD graphic engine
Audio Controller		Intel HM65 HD codec
IO	LAN	GbE RJ45 x2
	Display	DVI-D, maximum resolution up to 1920 x 1200 @75Hz / VGA, maximum resolution up to 2048 x 1536 @60Hz / 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	Mic-in and Line-out with 2 watt by DB9 female connector
	Serial I/O	2x RS-232/422/485 with RI/5V/12V
	GPS	Ublox NEO-6Q GPS receiver module
	G-Sensor	ADXL 345
	GPIO	4x DI 12V TTL Level / 3x DO 12V TTL Level / 2x DI (for MCU) 3.3V Level
	USB 2.0	Type A x6: (4x Front I/O, 2x Rear I/O)
	Power Input	3-pin terminal block (+, -, ignition)
	Expansion	Mini-PCIe x2 (one with SIM card reader)
	PoE	PoE x 8, IEEE 802.3af, standard PoE
	Others	External: 3x SMA antenna hole, reset, Remote Power switch Internal: 9~36Vdc (max.10A) On/Off software controlable
Power Input		+9~36VDC input range, ATX mode support ignition delay on/off control
PoE Power Adapter		LVP-POE936A included
OS Support		Linux: Redhad Enterprise 5/ Fedora 14. Linux Kernel 2.6.18 or later Windows: Microsoft Windows 7/XP/XP pro; Embedded/7 Embedded
Certifications		CE, FCC Class A, E13, RoHS
Compliance		Vibration: MIL-STD-810G, Method 514.6 Shock:MIL-STD-810G, Method 516.6
Operating Temp.	Extended	With Industrial Components — -20~55°C/-4~131°F
	Standard	With Commercial Components — -5~45°C / 23~113°F

BCD-RDG-5770-7C — Intel® i7-2655LE In-Vehicle Computer, DDR3 SO-DIMM x2, 2.5" Removable Drive Bay x2, Mini-PCIe x2 with one SIM card reader, Intel GbE x2 + Intel GbE x8 PoE Ports, USB x6, SIO x2, DC Power input +9~36Vdc with Ignition, Suspending Kit and PoE Power Adapter included.