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creating value in applied computing

LEC-5510 In-Vehicle IPC

Dual Core Intel Atom appliance with vehicular vibration and shock testing
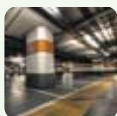

Intel® Ethernet

intel Embedded Alliance

Power Ignition Control
This function allows for in-vehicle IPCs to seamlessly switch from vehicle power to battery power and vice-versa.

Wide Voltage Input
This product supports a wider range of voltage inputs, allowing protection against surges and easier onsite implementation.

Integrated SIM Card Reader
Integrated in a mini-PCIe slot, the SIM card readers allow for users to enable 3G or GPS use for their IPC.

Extreme Vibration Resistance
Extensive testing on this appliance has proved that it can withstand higher than normal vibration resistance and is meant to be deployed in vehicles or other vibration prone settings.

Fanless
Fanless design removes the most easily damaged component in an IPC, allowing the average life to be extended.

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

Screw Locked Power Plug
This power plug is made to screw directly into the appliance chassis, allowing secure power connection in even the harshest of settings.

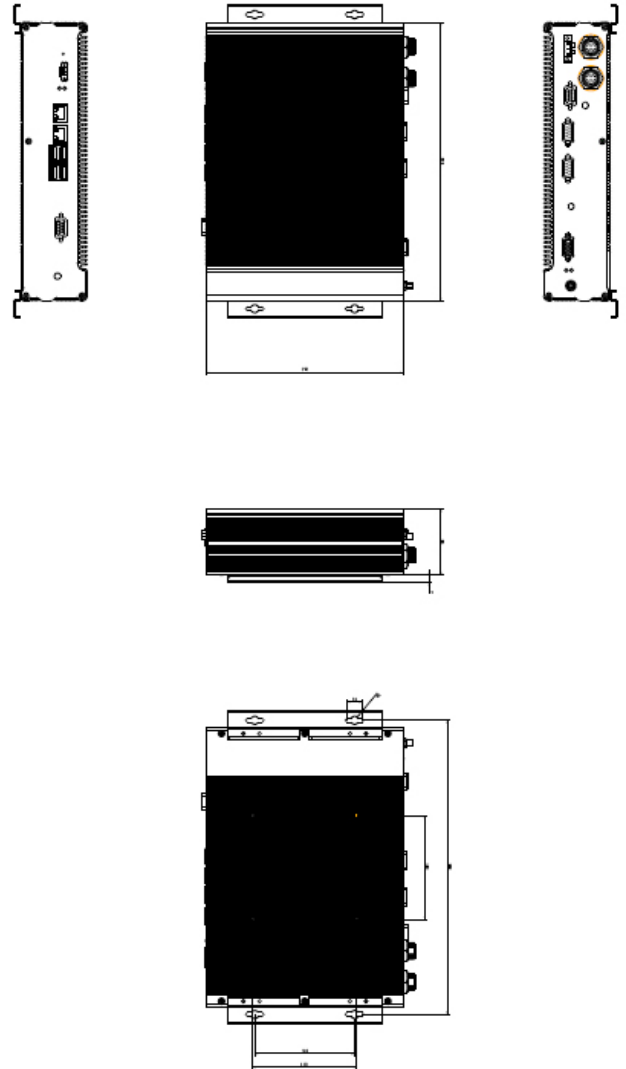| LEC 5 Series		LEC-5510
Dimension (WxHxD)		268x64x190 mm (10.55"x2.52"x7.48")
Processor		Intel Atom D510 1.66GHz
Chipset		Intel ICH8M
System	Technology	1GB DDR2 on board, DDR2 SODIMM x1
Memory	Max. Capacity	Up to 3GB
Storage	IDE	CF socket type I/II x1
	SATA	2.5" HDD/SSD drive bay x1
Ethernet Controller		Intel 82574L x2
Graphic Controller		Intel GMA3150
Audio Controller		Realtek ALC888
IO	LAN	GbE RJ45 x2
	Display	DB15 x1 for VGA
	Video Grabber	No
	Audio	DB9 female x1 for Mic-in and Line-out
	Serial I/O	2 x DB9 for RS232/422/485 x1 and RS232 x1
	GPS	Holux GR89 GPS receiver (NEMA-0183)
	Digital I/O	1 x female DB9 for DI x4 and DO x4 (5V TTL)
	USB 2.0	Type A x4; Internal x2
	Power Input	3-pin terminal block (+ , - , ignition)
	Expansion	Mini-PCIex2 (one with SIM card reader), PCI-104 x1
	Others	External: Power-on switch, 3x SMA antenna hole, reset, LVDS/CCFL/USB (Manufacturing BOM Option) Internal: PS/2 keyboard and mouse, +5Vdc, +12Vdc output, On-board 3-Axis digital accelerometer, 2x intrusion switch for front panel & rear panel
Power Input		+6~30VDC input range, ATX mode support ignition delay on/off control
AC Adapter		Ordering Option
Hardware Monitor		Fintek F81865 integrated watchdog timer 1~255 level
OS Support		Linux , XPE/WES2009, XP PRO FES, WS7E, WS7P, WIN 7 PRO-E
Certifications		CE, FCC Class A, e13
Compliance		Climatic: EN-50155 Class T1, Mechanical: EN-61373, Electronic: ISO-7637-2
Operating Temperature Range with Industrial Components (Industrial Memory, CF, HDD, SSD….)		-20~55°C/-4~131°F
Operating Temperature Range with Commercial Components		-5~45°C/23~113°F

MECHANICAL DRAWING

About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline network security, network video and applied computing platforms. With headquarters in Taipei, Taiwan and branches in the U.S. and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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