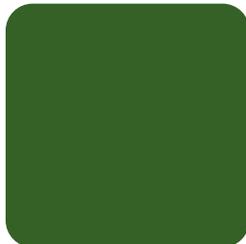
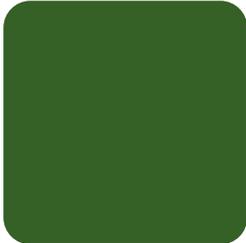


## LUGE:LEC-5011

Fanless Intel® Atom™ 1.6Ghz embedded system supports WiFi, GPS, GSM interfaces with VGA, DVI-D, up to 4 COM ports, Dual LAN, USB, CF and SATA drive support



### Features

- Intel® Atom™ 1.6 GHz onboard CPU
- 1 Mini-PCIe for WiFi Module
- 1 Mini-PCIe slot for 3G/GPS module
- Robust fanless enclosure
- 65mm height industrial case with heat dispersing fins
- -10°C to 55°C operating temperature
- Supports up to 2GB DDR2 memory
- Dual 10/100/1000 Mbps LAN
- USB x 6, COM x 6
- PCI or PCIe x 1 expansion slot
- CompactFlash Type I/II or SATA HDD supports

### 3G WIRELESS CONNECTIVITY

The LEC-5011 is a fanless embedded system designed for intelligent industrial and commercial applications. It features extensive I/O interfaces including dual mini-PCIe interfaces for wireless modules, and an onboard Intel® Atom™ embedded processor for exceptional performance with very low heat generation and minimal cooling requirements, resulting in improved stability and longevity, and providing a higher return on investment.

To provide even more flexibility, Lanner's engineers have built the case of tough aluminum with heat dispersing fins to whisk away heat from the processor and allow the system to operate in harsh environments.

# ATOM

SATA/CF

WiFi

GPS

3G

GbE

DVI-D

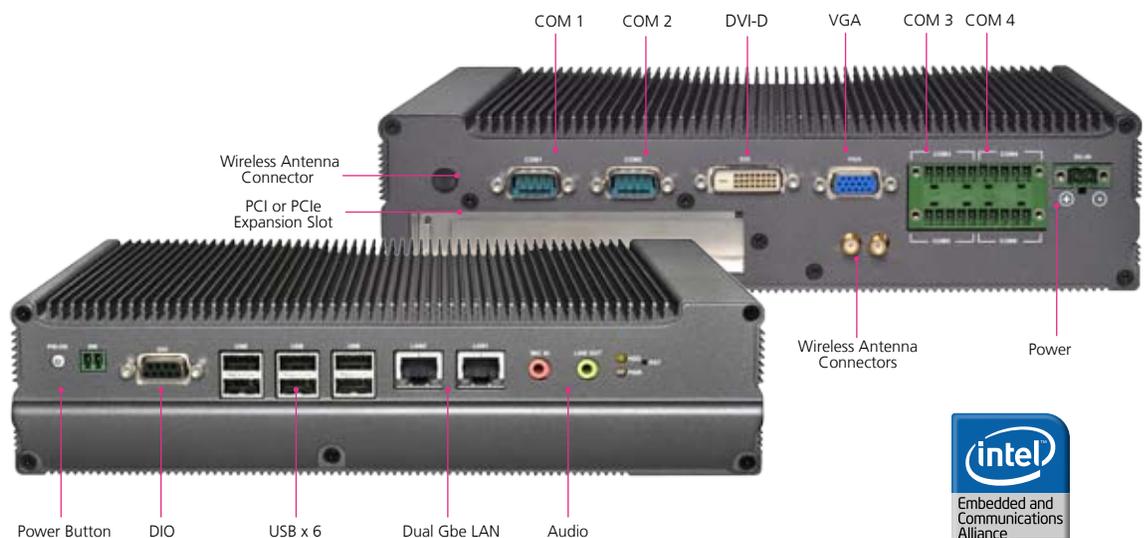
USB

COM

VGA

LAN

PCI/PCIe



FEATURE	DESCRIPTION	LEC-5011
<b>Platform</b>	Form Factor	Embedded Fanless System
	Processor	Onboard Intel Atom 1.6GHz (N270)
	Chipset	Intel 945GSE+ICH7M
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	533MHz
<b>Memory</b>	Memory IC On Board	1GB DDR2 onboard
	Memory Socket	SODIMM x 1 (up to 1GB)
	Max Memory	2GB (1GB Module + 1GB onboard)
<b>Storage</b>	Compact Flash	CF Socket Type I/II x1
	HDD	2.5" SATA HDD
<b>Networkin</b>	Controller (Interface)	RTL8111C(D) (PCIe 1X)

<b>Video</b>	Controller	Intel GMA 950
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Audio	Codec	ALC888 HD Codec
COM Ports		RS-232 x 4, RS-232/422/485 x 2
Digital I/O		DB9 Female or 4 in 4 Out
USB 2.0		6 (External x 6)
Video Grabber / 3G / GPS		Integrated LEK-U01 for 3G/GPS mini-card Carrier Board
VGA		1 (1920 x 1200 / 75Hz)
DVI-D		1 (1600 x 1200)
HDMI		0
LAN		RJ45 GbE x 2
PS2 Keyboard & Mouse		Internal Pin Header
Audio		Mic In, Line Out ( Phone Jack )
Internal CF		1
DC-in Connector Type		Phoenix contact
Expansion		Mini-PCIe x 1 PCI x 1 (10W Max) (LEC-5011P) PCIe x 1 (10W Max) (LEC-5011E)

Hardware Monitor	Controller	Winbond W83627 UHG integrated hardware monitor
	Watchdog timer	Yes (1~255 level)

<b>OS Supported</b>		Linux kernel 2.4.16 or above, XPE/ Win XP-32 bit
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Environmental Parameters	Operating Temperature (With Industrial Components: CF, Memory, SSD, HDD)	-10°~55°C / 14°~131°F
	Operating Temperature (With Commercial Components)	-5°C~45°C / 23°~113°F
	Extended Operating Temperature Tested	-20°C: 24 Hours Bootable 70°C : 72 Hours full-loading operating

Dimensions	W x H x D (mm)	268(W) x 65(H) x 190(D)
	W x H x D (Inch)	10.55"(W) x 2.56"(H) x 7.48"(D)

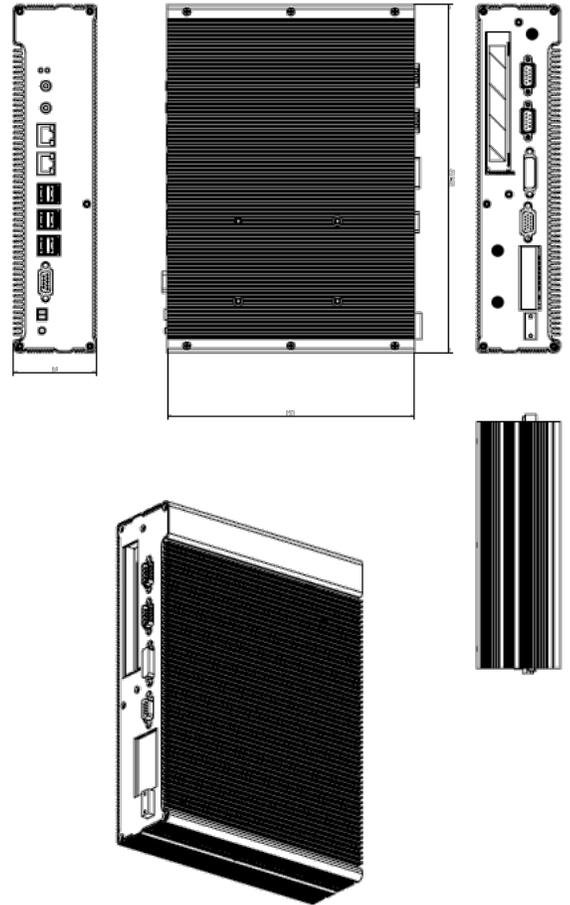
Power	Input (Mode)	DC 9V~36V (ATX Mode)
	AC Adapter	AC Adapter C: 75W (+19V) Phoenix contact

<b>Compliance</b>		CE, FCC, RoHS
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## 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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