

# LUGE:LEC-7100

Fanless Dual Core Intel® Atom™ 1.66GHz embedded system with VGA, DVI-D, COM, 4 x USB, dual LAN, and Wireless through an onboard SIM card Socket



## Features

- 1.66GHz Dual Core Intel® Atom™ D510
- 2 x Mini PCIe expansion slot
- Robust fanless enclosure
- SIM Card Socket for GPS/3G module
- Supports up to 2GB DDR2 memory
- Dual 10/100/1000 Mbps LAN
- USB x 4, COM x 1
- CompactFlash Type I/II or SATA HDD support

## Dual Core Intel Atom D510

### With 3G Communications

The LEC-7100 is Lanner's flagship IPC. It features the Dual Core Intel® Atom™ D510 processor that has 1.66GHz of processing power. Utilizing the Atom's ability for performance with very low heat generation allows the LEC-7100 to be a completely fanless system.

Additionally this system is designed with dual LAN ports for internet connectivity in fix-site deployments, while the onboard SIM card socket with 3G minicard module enable the LEC-7100 to go mobile while still delivering rich multimedia content. A built-in GPS module allows system integrators to roll-out enhanced location-based services with minimum extra cost and effort.

**ATOM**

VGA  
DVI-D  
Mini PCIe  
USB  
CF  
SATA  
COM  
LAN



FEATURE	DESCRIPTION	
<b>Platform</b>	Form Factor	Embedded Fanless System
	Processor	Onboard Intel D510
	Chipset	Intel ICH8M
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	533MHz
<b>Memory</b>	Memory Socket	SODIMM x 1 (up to 2GB)
	Max Memory	2GB (Module)
<b>Storage</b>	Compact Flash	CF Socket Type I/II x1
	HDD	2.5" SATA HDD support
<b>Controller</b>	Controller (Interface)	RTL8111C(D) (PCIe 1X)
<b>Video</b>	Controller	Intel Gen 3.5 GFX Core
<b>Audio</b>	Codec	ALC888 HD Codec
<b>I/O</b>	COM Ports	RS-232 x 1
	Digital I/O	DB9 Female, 4 in 4 Out
	USB 2.0	4 (External x 4)
	Onboard SIM card Socket	1 to be used with mini-PCIe 3G/GPS module
	VGA	1 (2048 x 1536 / 75Hz)
	DVI-D	1 (1600 x 1200)
	LAN	RJ45 GbE x 2
	Audio	Stereo Line Out (RCA L/R)
	Internal CF	1
	DC-in Connector Type	Power Jack w/Lock
	Expansion	Mini-PCIe x 2
<b>Hardware Monitor</b>	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
<b>Environmental Parameters</b>	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
<b>Dimensions</b>	W x H x D (mm)	268(W) x 44(H) x 174(D)
	W x H x D (Inch)	10.55"(W) x 1.73"(H) x 6.85"(D)
<b>Power</b>	Input (Mode)	DC +12V (ATX Mode)
	AC Adapter	AC Adapter D: 60W (+12V) Power Jack w/Lock
<b>Compliance</b>		CE, FCC, RoHS



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## ORDERING INFORMATION

### LEC-7100

Fanless Embedded System with Dual Core Intel Atom D510 CPU, VGA, DVI, CF Socket, mini PCIe expansion slot.

## 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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