

LUGE:LEC-7020

Fanless Intel® Atom™ 1.6Ghz with VGA, DVI-D, COM, 4 x USB, Dual LAN and SIM card socket for 3G / GPS Module



Features

- Intel® Atom™ 1.6 GHz onboard CPU
- -10°C to 55°C operating temperature
- Supports up to 2GB DDR2 memory
- 2 x 10/100/1000 Mbps LAN
- USB x 4, COM x 1
- GPS, 3G, WiFi Expansion
- Mini PCIe
- Robust fanless enclosure

EMBEDDED SYSTEM WITH FANLESS THERMAL DESIGN

The LEC-7020 is a fanless embedded system designed for intelligent industrial and commercial applications. The onboard Intel® Atom™ embedded processor for exceptional performance with very low heat generation and minimal cooling requirements, resulting in improved stability and longevity.

This fanless unit has wireless capabilities through the SIM card socket; including 3G communication and WiFi. For wired communication the LEC-7020 has two LAN ports. Additional ports include 4 USB 2.0, DIO and COM.



- DVI-D
- VGA
- 3G
- USB
- WiFi
- SATA
- COM
- LAN



FEATURE	DESCRIPTION	
Platform	Form Factor	Embedded Fanless System
	Processor	Onboard Intel Atom 1.6GHz (N270)
	Chipset	Intel 945GSE+ICH7M
	BIOS	AMIBIOS with 8Mbit FWH
	Max. FSB	533MHz
Memory	Memory Socket	SODIMM x 1 (up to 2GB)
	Max Memory	2GB (Module)
Storage	Compact Flash	Type VII CF Socket
	HDD	2.5" SATA HDD support
NIC	Controller (Interface)	RTL8111C(D) (PCIe 1X)
Video	Controller	Intel GMA 950
Audio	Codec	ALC888 HD Codec
	COM Ports	RS-232
I/O	Digital I/O	DB9, 4 in 4 out
	USB 2.0	4
	VGA	1 x (2048 x 1536 / 75Hz)
	DVI-D	1 x (1920 x 1080) (LEC-7020D option only)
	LAN	2 x RJ45 GbE
	Audio	Stereo Line Out Mic In
	DC-in Connector Type	Power Jack w/Lock
	Expansion	1 x mini PCIe socket
	Wireless Capabilities	3G / GPS / WiFi
	Hardware Monitor	Controller
Watchdog timer		Yes (1~255 level)
OS Supported	Linux kernel 2.4.16 or above, XPE/Win XP-32 bit	
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	N/A
Dimensions	W x H x D (mm)	198(W) x 42(H) x 145(D)
	W x H x D (Inch)	7.92"(W) x 1.68"(H) x 5.8"(D)
Power	Input (Mode)	DC +12V (ATX Mode)
	AC Adapter	AC Adapter D: 60W (+12V) Power Jack w/Lock

ORDERING INFORMATION	
LEC-7020A	Fanless Embedded System, Intel ATOM N270 1.6GHz with VGA, 4 USB, 2 GbE and support 2.5" HDD, CF, 3G/GPS or WiFi module
LEC-7020D	Fanless Embedded System, Intel ATOM N270 1.6GHz with VGA / DVI-D, 4 USB, 2 GbE and support 2.5" HDD, CF, 3G/ GPS or WiFi module

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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