

LUGE: LEC-2010

Fanless Intel® Atom™ 1.6Ghz embedded system with VGA, DVI-D, up to 6 COM ports, Dual LAN, USB and CF, SATA drive support, and PCI or PCI-E expansion

VGA

DVI-D

PCI-E

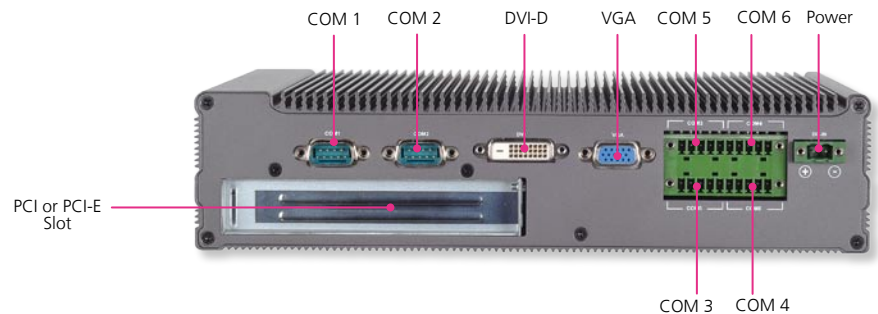
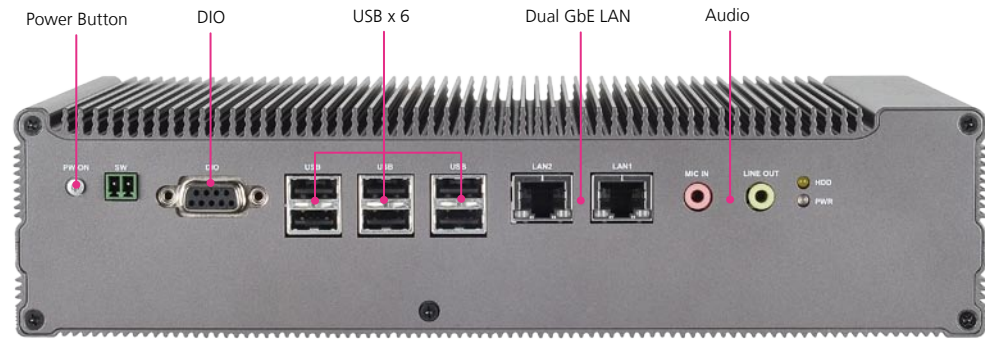
USB

CF

SATA

COM

LAN



FEATURES

- Intel® Atom™ 1.6 GHz onboard CPU
- PCI or PCI-E expansion slot
- Robust fanless enclosure
- 65mm height industrial case with heat dispersing fins
- -20°C to 50°C operating temperature
- Supports up to 2GB DDR2 memory
- Dual 10/100/1000 Mbps LAN
- USB x 6, COM x 6
- CompactFlash Type III or SATA HDD support

EMBEDDED SYSTEM WITH FANLESS THERMAL DESIGN

The LEC-2010 is a fanless embedded system designed for intelligent industrial and commercial applications. It features extensive I/O interfaces, PCI or PCI Express expansion slot, 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

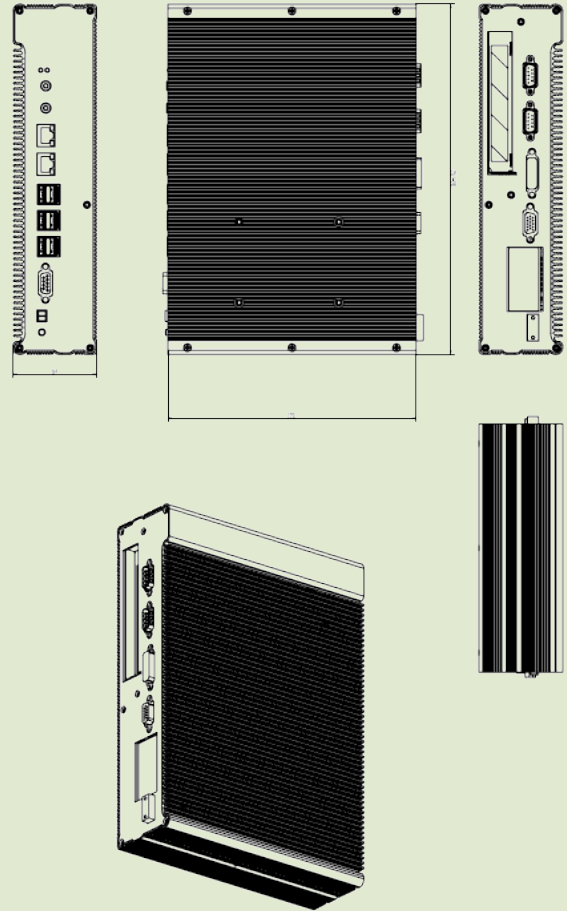
FEATURE DESCRIPTION

Platform	Processor	Onboard Intel® Atom™ 1.6 GHz
	Chipset	Intel 945GSE+ICH7M
	BIOS	AMIBIOS with 8Mbit BIOS Flash
System Memory	Technology	533 MHz DDR2 SDRAM
	Socket	200P SODIMM x1
	Onboard Memory	1GB DDR2 onboard
	Max	2GB
Storage Interface	CompactFlash I/II	1
	SATA Port	1
Display	Interface	VGA D-Sub 15-pin connector DVI-D
	Codec	ALC888 HD Codec
I/O	Serial	RS-232 x 4 RS-232/422/485 x 2 (COM 2 & 3)
	VGA	1
	DVI-D	1
	Digital I/O	DB9 Female 4 in 4 Out
	USB 2.0	6
	LAN	2 x RJ45 GbE
	Mic In / Line Out	1 / 1
	Expansion	Mini-PCIe x 1
	LEC-2010P	PCI x 1 (LEC-2010P)
	LEC-2010E	PCIe (x1) x 1 (LEC-2010E)
Hardware Monitoring	Controller	Winbond W83627UHG integrated hardware monitor
	Watchdog timer	Reset supported, 1~255 level
OS Supported		Linux kernel 2.4.16 or above, XPE/Win XP-32 bit, Win CE 6.0
Power	Input	DC 9V~36V
	Temperature, ambient operating	-20°~50°C (with industrial grade components - CF card, HDD, memory, adapter) 0~40°C (with 2.5" commercial HDD)
Environmental Parameters	Humidity (RH), ambient operating	0~90%, non-condensing
	Storage Temperature	-20°~80°C
	Shock	CFD: 100g peak acceleration (6 msec duration)
Physical Dimensions	Dimensions	190D x 268W x 65H mm
	Weight	2.6Kg (without HDD)

ORDERING INFORMATION

LEC-2010P	Fanless Embedded System with Intel Atom 1.6 GHz CPU, VGA, DVI, CF Socket and PCI expansion slot
LEC-2010E	Fanless Embedded System with Intel Atom 1.6 GHz CPU, VGA, DVI, CF Socket and PCI Express expansion slot

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 security, storage and applied computing platforms and solutions. 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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