

# LUGE: LEC-2050

Fanless Intel® Atom™ 1.6Ghz embedded system with VGA, DVI-D, Dual LAN, USB, 4 COM ports and CompactFlash or SATA drive support

VGA

DVI-D

LAN

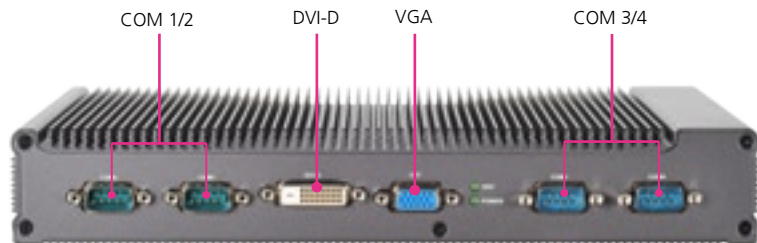
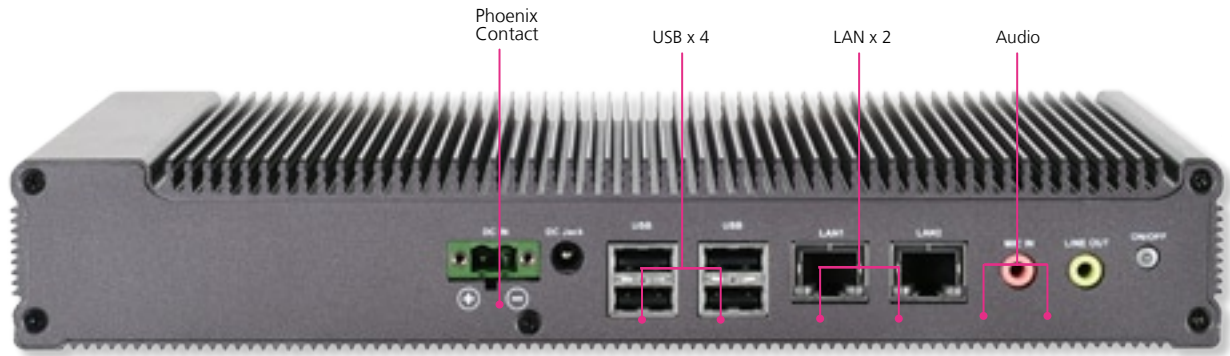
USB

CF

SATA

COM

-40°~60°C



## FEATURES

- Intel® Atom™ 1.6 GHz onboard CPU
- -10°C to 55°C operating temperature
- Robust fanless enclosure
- Slim 43mm case with heat dispersing fins
- Supports up to 2GB DDR2 memory
- Dual Display (CRT+DVI-D)
- Dual 10/100/1000 Mbps LAN
- USB x 4, COM x 4
- CompactFlash Type I/II or SATA HDD support
- Wall or VESA mounting brackets optional

## EXTENDED TEMPERATURE RANGE

The LEC-2050 is designed for flexible deployment in any scenario. Its robust fanless design and extended temperature range make the LEC-2050 an ideal solution a wide range of industrial and commercial applications.

The onboard Intel® Atom™ embedded processor provides unsurpassed 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 - from -10°C to 55°C. Whether you need a machine for digital signage, ATM, POS, or a factory controller, the LEC-2050 is built for the task.

**ATOM**

## FEATURE

## DESCRIPTION

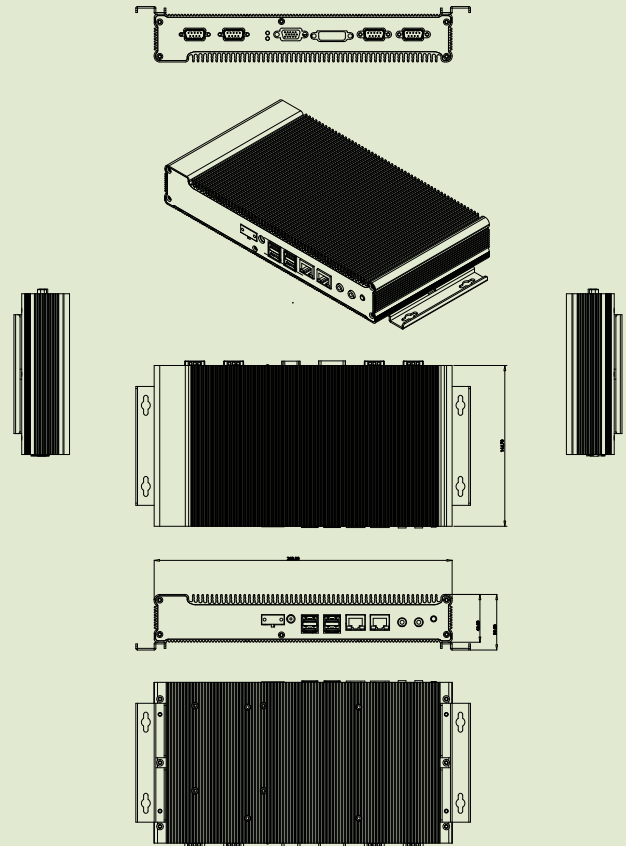
<b>Platform</b>	Form Factor	Fanless Embedded System
	Processor	Onboard Intel Atom 1.6Ghz
	Chipset	Intel 945GSE+ICH7M
	BIOS	AMI BIOS 8Mbit
	FSB	533MHz
<b>Memory</b>	Memory On Board	512MB DDR2 onboard
	Memory Socket	SODIMM x 1 (up to 2GB)
	Max Memory	2GB
<b>Storage</b>	Solid State	CF Socket
	HDD	2.5" SATA HDD support
<b>Networking</b>	GbE LAN ports	2 (2x Realtek RTL8111C-VC-VR)
<b>Video</b>	Controller	Intel 945GSE built-in Intel Graphics Media Accelerator 950
<b>Audio</b>	Codec	ALC888 HD Codec
<b>Front I/O</b>	COM ports	RS-232/422/485 x 2 (COM 1, COM 2) RS-232 x 2 (COM 3, COM 4)
	Video Out	VGA (Max Res. 2048 x 1536) DVI-D (Max Res. 1600 x 1200)
	LEDs	HDD, Power
<b>Rear I/O</b>	Power input	1x2 pin Phoenix connector (Primary)
	USB 2.0	4
	GbE LAN ports	RJ45 x 2
	Audio	Mic In / Line Out
	Power Switch	ATX power on/off switch
<b>Hardware Monitor</b>	Controller	Winbond W83627 UHG integrated hardware monitor
	Watchdog timer	Yes (255 levels, 0 ~ 255 Sec)
<b>OS Supported</b>		Linux kernel 2.4.16 or above, XPE/Win XP-32 bit, Win CE 6.0
<b>Environmental Parameters</b>	Temperature, ambient operating	-10°~55°C with industrial grade components - CF/ Memory/ Adapter)
	Humidity (RH), ambient operating	10~95%, non-condensing
<b>Dimensions</b>		144D x 268W x 43H mm
<b>Power</b>	Input	DC +13V ~ 32V
	Adapter	60W ATX mode, 100 ~240 VAC input
<b>Compliance</b>		CE, FCC, RoHS

## ORDERING INFORMATION

### LEC-2050

Fanless Embedded System with Intel Atom 1.6 GHz CPU onboard, CF Socket, 2.5" SATA HDD Support

## 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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