creating value in applied computing

LUGE: LEC-7500

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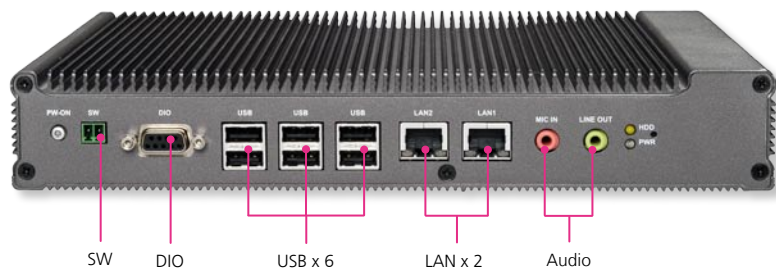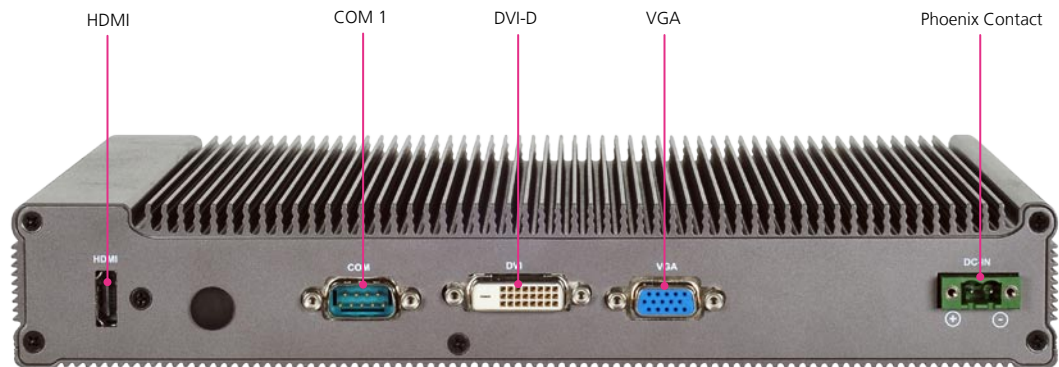COM, Dual LAN, USB and CompactFlash or SATA drive support

- VGA
- DVI-D
- HDMI
- USB
- CF
- SATA
- COM
- LAN

HDMI   COM 1   DVI-D   VGA   Phoenix Contact

SW   DIO   USB x 6   LAN x 2   Audio

FEATURES

- Intel® Atom™ 1.6 GHz onboard CPU
- Triple video out: HDMI, VGA and DVI-D
- Discrete graphics with 512MB dedicated graphics memory
- Robust fanless enclosure
- Slim 43mm case with heat dispersing fins
- -20°C to 50°C operating temperature
- Supports up to 2GB DDR2 memory (1GB onboard, max 1GB So-DIMM)
- Dual 10/100/1000 Mbps LAN
- USB x 4, COM x 1
- CompactFlash Type I/II or SATA HDD support

HIGH DEFINITION DIGITAL GRAPHICS PERFORMANCE

The LEC-7500 is an ultra-compact embedded system designed for high definition video applications. It features three video out options - HDMI, VGA and DVI - along with discrete graphics for improved video performance, 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.
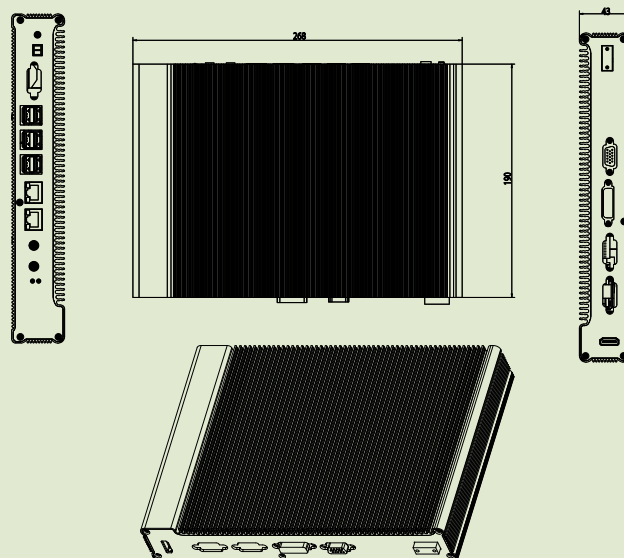
To provide even more flexibility, Lanner's engineers have built the case of tough aluminum with heat dispersing fins to whisk away heat from the processor and allow the system to operate in harsh environments.

HDMI

![RoHS compliant] ![CE] ![FC]

![intel Embedded and Communications Alliance Associate]

FEATURE	DESCRIPTION	
Platform	Processor	Onboard Intel® Atom™ 1.6 GHz
	Chipset	Intel 945GSE+ICH7M
	BIOS	AMIBIOS with 8Mbit BIOS Flash
System Memory	Technology	DDR2 400/533 SDRAM
	Max Memory	2GB
	Onboard Memory	1GB DDR2 IC onboard
	Expansion	200-pin So-DIMM, max 1GB
Storage Interface	SSD	CF Socket Type I/II
	HDD	2.5" SATA Drive x 1
Display	Interface	VGA D-Sub 15-pin connector
		DVI-D
		HDMI Type A
Audio	Codec	ALC888 HD Codec
Front I/O	COM	RS232 x 1
	VGA	1 (Max Res. 2048 x 1536)
	DVI-D	1 (Max. Res. 1600 x 1200)
	HDMI	1 (Max. Res. 1920 x 1080)
	DC In	Phoenix Contact (1x2)
Rear IO	Power switch	1
	Phoenix Connector (1x2)	1
	USB 2.0	6
	LAN	2 x RJ45 GbE (supports Wake on LAN)
	Mic In / Line Out	1 / 1
Expansion		Mini-PCIe socket
Hardware Monitoring	Controller	Winbond W83627UHG integrated hardware monitor
	Watchdog timer	Yes (255 Levels, 0~255 Sec)
OS Supported		Win XP Embedded, Win XP 32-bit, Linux kernel 2.4.16 or above
Mounting		Wall mounting kit
Environmental Parameters	Temperature, ambient operating	-20°~50°C (with industrial grade components - CF card, HDD, memory, adapter)
		0~40°C (with 2.5" commercial HDD)
	Humidity (RH), ambient operating	0~90%, non-condensing
Physical Dimensions	Dimensions	268L x 190W x 43H mm (10.55" x 7.48" x 1.69")
	Weight	3Kg (without HDD)
Power Management	Input	DC 12V (ATX Mode)
	Power Adapter	75W, 100~240 VAC Input.

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.