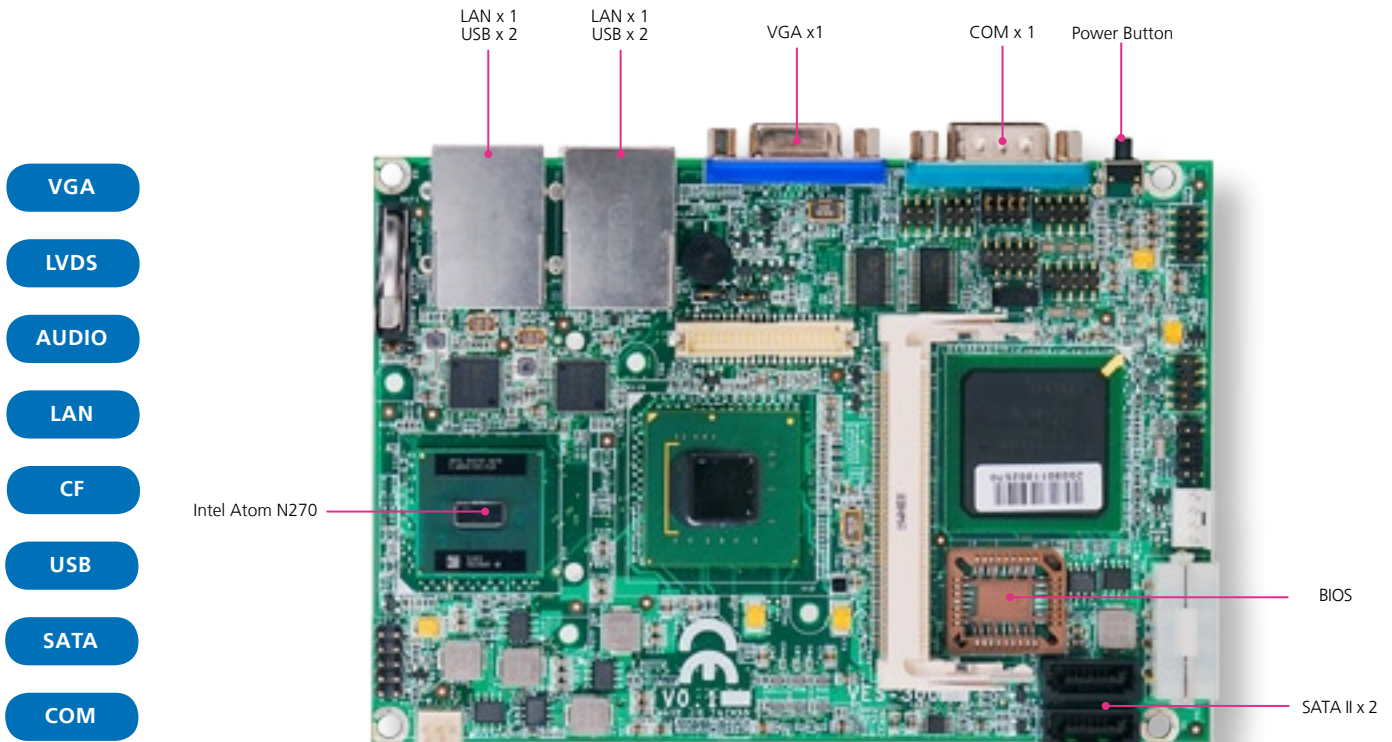


VES-300

3.5" Intel Atom based SBC with with VGA, dual LAN, audio, 6 USB and 4 COM ports



FEATURES

- Onboard Intel Atom N270 CPU, 1.6GHz
- 1 x DDR2 SO-DIMM, 2GB Max, 533MHz
- 945GSE integrated graphics, VGA and LVDS
- 24 bit single channel or 48 bit dual channel LVDS
- CompactFlash socket, SATA port
- Two Gigabit Ethernet ports
- 4 COM ports, 6 USB ports
- Watchdog monitor with RTC and battery

ULTRA-LOW VOLTAGE

Take advantage of solid processing power while reducing consumption. Lanner embedded systems offer ultra-low power options for environmentally-friendly and economical industrial deployment.



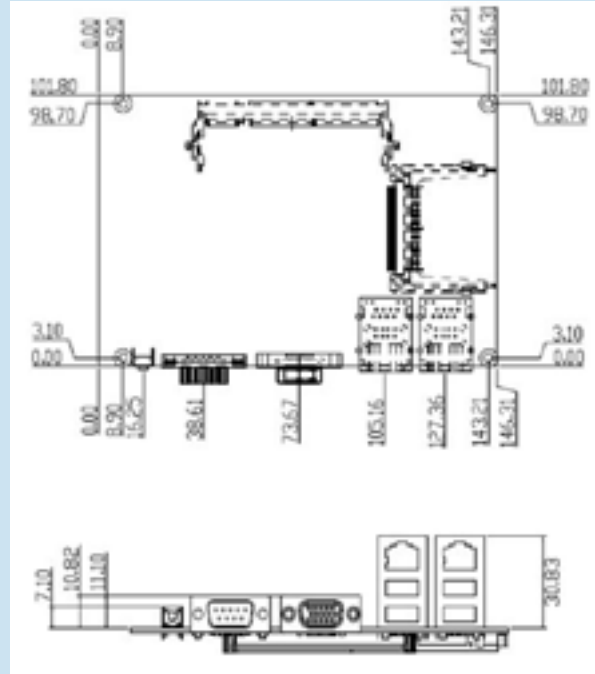
The Lanner VES-300 is an Intel Atom-based 3.5" single-board computer designed for low power, low cost industrial applications. Extensive I/O including 6 USB ports, 4 COM ports and two Ethernet ports provide sufficient communications for a wide variety of industrial and commercial projects, while the efficient Atom processor provides stable operation with minimal power consumption.

FEATURE	DESCRIPTION	
Platform	Form Factor	3.5" Embedded board
	Processor	Intel Atom 1.6Ghz CPU onboard (Intel N270)
	Chipset	945GSE+ICH7M
	BIOS	AMI BIOS with 8Mbit Flash
System Memory	Technology	DDR2 400/533 MHz
	Max Capacity	2GB
	Socket	SO-DIMM x 1
Storage Interface	Hard Drive Interface	SATA x 2
	SSD	CompactFlash I/II x1
Networking	Speed	10/100/1000 Mbps Base-Tx Gigabit
	I/O	RJ45 x 2 Ethernet
	Controller	Realtek RTL8111C-VC-VR
Display	Controller	Intel GMA950
	Shared memory	128MB shared memory
	Resolution	CRT: 1920x1440; Panel: 1600x1200
	Output	D-Sub 15-pin connector
Audio	Controller	Realtek ALC 888 HD Codec
	I/O	Mic-in, Line-out
I/O Interface	Serial Ports	Front I/O: 1 x RS232/422/485 (D-Sub 9 pin) Pin Header: 3 x RS32 only via 2x5 pin header
	USB 2.0	Front I/O: 4 Pin Header: 2 (2 x 5 pin header, 2 mm pitch)
	Hardware Monitoring	Controller: Winbond 83627UHG Watchdog timer: Reset supported, 1-255 level
Cooling	Passive heatsink	
OS Supported	Linux kernel 2.4.16 or above, Windows XP (32-bit), Windows 2000, XP Embedded, CE Embedded 6.0	
Environmental Parameters	Temperature, ambient operating	0~60°C (32~140°F)
	Humidity (RH), ambient operating	5~95% relative humidity, non-condensing
	Storage Temperature	-20~70°C (-4~158°F)
Physical Dimensions	Dimensions	146 mm x 101mm (5.7" x 4")
Power	Input	DC +12V
	Form Factor	AT support
Compliance	CE, FCC, RoHS	

ORDERING INFORMATION

VES-300 3.5" SBC with onboard Intel Atom N270 CPU, VGA, dual LAN, HD audio, 4 COM and 6 USB ports

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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