

VES-310

3.5" Intel Atom N450 based SBC with VGA, LVDS, Dual LAN, 4 USB and 2 COM Ports.



Features

- Onboard Intel Atom N450
- Intel Graphics
- Up to 2GB DDR2 memory
- Dual GbE LAN ports
- 4 x USB, 2 x COM, 1 x DIO (4 in, 4 out)
- CompactFlash Type I/II or SATA HDD support

3.5" Mother Board

Designed for Industrial Settings

Take advantage of solid processing power while reducing consumption with the VES-310 single board computer. Equipped with the brand new 1.66GHz N450 Atom, the VES-310 offers more processing power than any other Lanner SBC.

The VES-310 has gone through extensive temperature testing and is able to operate at 100% capacity between temperatures from 0° to 60° Celsius.

Other features include extensive I/O ports for connectivity along with HDD and Compact Flash support.

This versatile platform is ideal for industrial and commercial settings where ruggedness and reliability are required.

LVDS

VGA

LAN

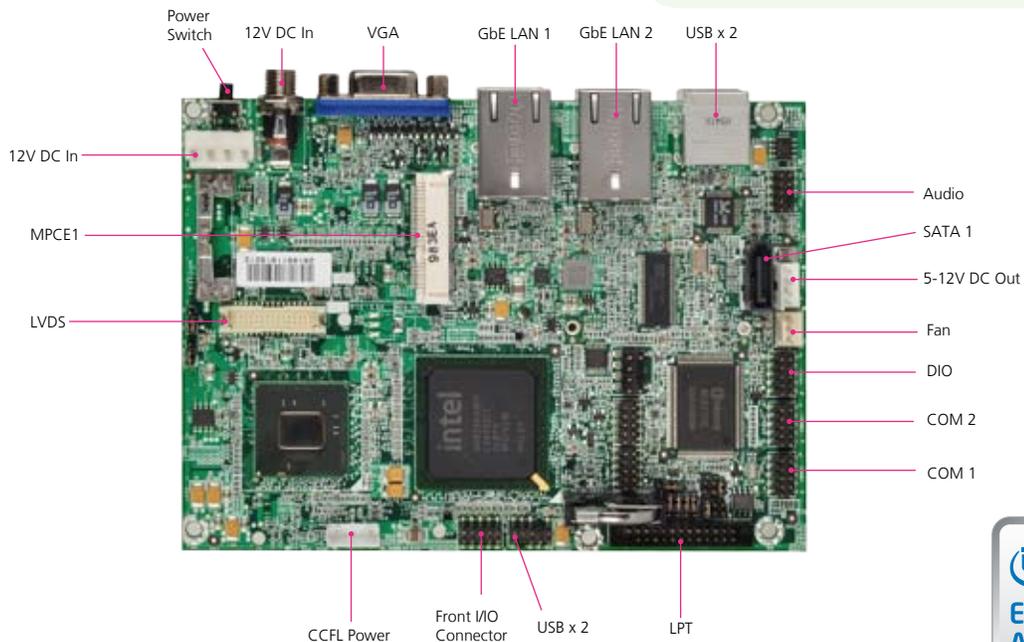
CF

USB

COM

SATA

AUDIO

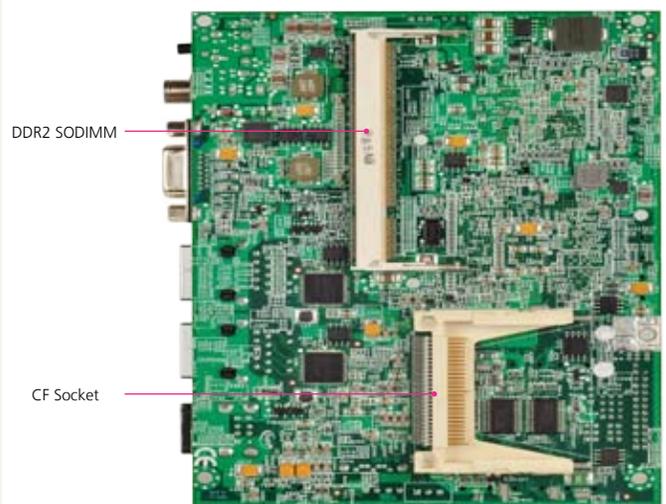


FEATURE	DESCRIPTION	VES-310
Platform	Form Factor	3.5" Single Board Computer
	Processor	Intel Atom N450
	Chipset	ICH8M
	BIOS	AMI BIOS with 8Mbit FWH
Memory	Technology	DDR2 533/667 MHz
	Max Capacity	SODIMM x 1 (up to 2GB)
	Socket	2 GB
Storage	Compact Flash	CF Socket Type I/II
	HDD	2.5" SATA HDD support
Networking	Controller (Interface)	RTL8111D (PCIe 1X)
	Speed	10/100/1000 Mbps Base Tx Gigabit
	I/O	2 x RJ45
Display	VGA	1
	LVDS	1
Audio	Codec	ALC888 HD Codec
	I/O	Mic-in, Line-out, Line In
I/O	COM Ports	2 x 2by5 pin header for RS232 COM 1 Supports RS 422 / 485
	DIO	4 Digital In, 4 Digital Out
	USB 2.0	4
	Mini-PCIe	1
	Hardware Monitor	Controller
	Watchdog timer	Yes (1~255 level)
OS Supported		Windows XP / XPE Linux Fedora Fedora Core 8 WEP OS WinCE 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)
Dimensions	W x H x D (mm)	146 mm x 105 mm
	W x H x D (Inch)	5.7" x 4.1"
Power	Input	DC _12V
	Form Factor	ATX Support
Compliance		CE, FCC, RoHS
Cooling	Passive Heatsink	1

ORDERING INFORMATION

VES-310 3.5" Intel based SBC, dual LAN, VGA, LVDS, 4 USB and 2 COM

The Back of the VES-310



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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