Lanner
creating value in applied computing

VES-372

3.5" VIA Eden based SBC with VGA, Audio, LAN, 2 USB and 3 COM ports

Features

- Onboard VIA Eden ULV processor, 1GHz
- VIA CX700M integrated chipset
- 400/533MHz DDR2 SO-DIMM
- CompactFlash socket
- SATA ports
- 2 LAN port
- 3 COM ports, 2 USB ports
- Watchdog monitor with RTC and battery
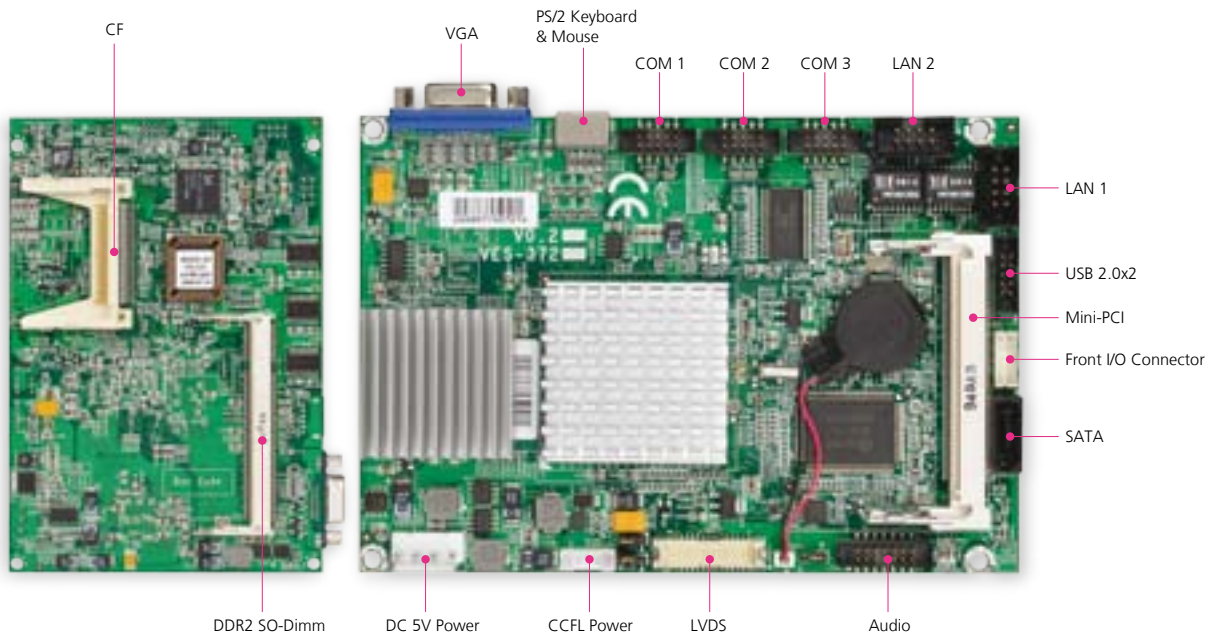- Single +5V input

VGA
LVDS
AUDIO
LAN
CF
USB
SATA
COM

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 and commercial deployment.

The Lanner VES-372 is a VIA Eden-based 3.5" single-board computer designed for low power, low cost industrial applications. Extensive I/O including 2 USB ports, 3 COM ports and Ethernet ports provide sufficient communications for a wide variety of industrial and commercial projects, while the Ultra Low Voltage VIA Eden V4 processor provides stable operation with minimal power consumption.
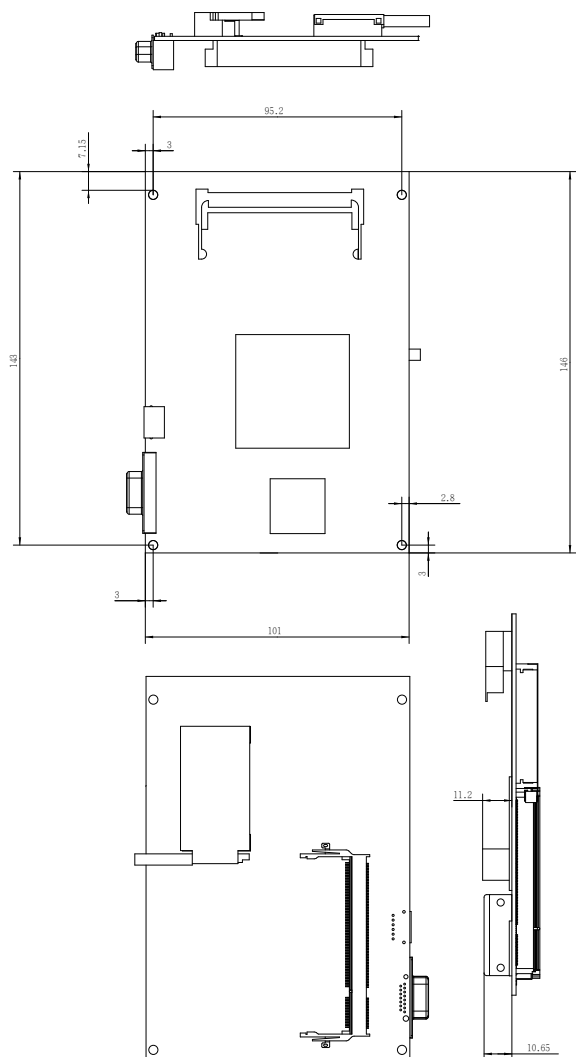
ULV

CF
VGA
PS/2 Keyboard & Mouse
COM 1
COM 2
COM 3
LAN 2
LAN 1
USB 2.0x2
Mini-PCI
Front I/O Connector
SATA

DDR2 SO-Dimm
DC 5V Power
CCFL Power
LVDS
Audio

FEATURE	DESCRIPTION	VES-372
Platform	Form Factor	3.5" Embedded board
	Processor	Onboard VIA Eden ULV 1GHz
	Chipset	VIA CX700M
	BIOS	AMI BIOS with 8Mbit Flash
	FSB	400MHz
System Memory	Memory IC On Board	DDR2 400/533 MHz
	Memory Socket	DDR2 200-pin SO-DIMM socket x 1
	Max Memory	1GB
Storage Interface	Solid State	CompactFlah I/II x 1
	HDD	SATA port x 1
Networking	Speed	10/100 Mbps
	Controller(Interface)	Realtek RTL8139DL
Display	Controller	Integrated Uni Chrome Pro II graphics
Audio	Codec	VIA VT1708S
External I/O	COM Ports	RS-232 x 3
	USB 2.0	2
	VGA	D-Sub 15 pin x 1
	Secondary Display	1(LVDS)
	LAN	2
	Keyboard & Mouse	1
	Audio	Mic In, Line Out
Hardware Monitor	Controller	Winbond W83627UHG integrated hardware monitor
	Watchdog timer	Yes (1~255 level)
OS Supported		Linux kernel 2.4.16 or above, Windows XP 32-bit, XPe, Win CE 6.0
Environmental Parameters	Temperature, ambient operating	0~60°C (32~140°F)
	Humidity (RH), ambient operating	0~90% relative humidity, non-condensing
Expansions		N/A
Physical Dimensions	Dimensions	146 mm x 101 mm
Power	Input(Mode)	DC +5V (AT Mode)
Compliance		CE, RoHS

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 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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