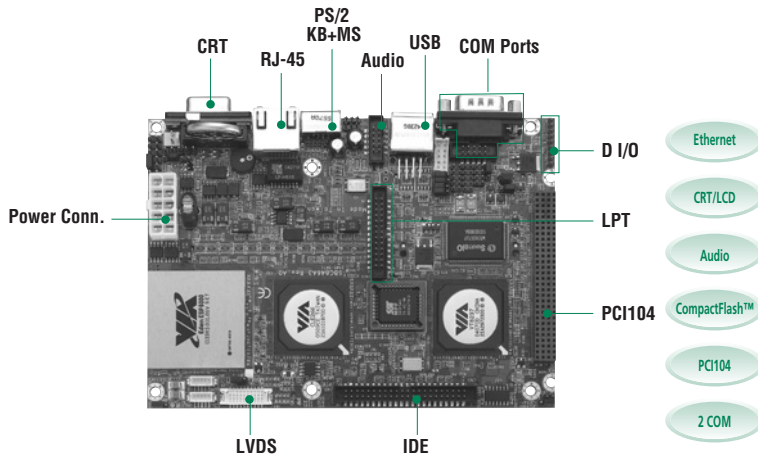


SBC846A3

Eden Embedded SBC with DualView, LVDS and PCI104

3

Embedded Computing Platforms



Features

- ▶ Fanless low power Eden processor
- ▶ DualView with different content & resolution
- ▶ LVDS TFT LCD direct drive
- ▶ PCI104 expansion
- ▶ +5V only single voltage DC-in supported

System

CPU	VIA Eden 667MHz/1GHz processor
System Memory	1 x 200-pin SODIMM max. up to 1GB
Chipset	VIA CLE266 + VT8237
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
SSD	CompactFlash™ Type-II Socket
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	PCI104 for 32-bit/33MHz PCI expansion
Battery	Lithium 3V/196 mA
Size	146 x 104 mm
Temperature	0~50°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

Ordering Information

Standard	
SBC846A3VEA-1GE	Eden 1GHz SBC with CRT/LVDS LCD, Fast Ethernet, 2 COM ports and AC'97 Audio
SBC846A3VEA-667	Eden 667MHz SBC with CRT/LVDS LCD, Fast Ethernet, 2 COM ports and AC'97 Audio

Packing List

Quick installation guide
 Manual, driver, Utility CD and Cable Kit (1 x SATA IDE, 1 x 44-pin IDE, 1 x 26-pin FDD, 1 x Mini DIN-to-K/B+M/S, 1 x COM port, 1 x Printer)

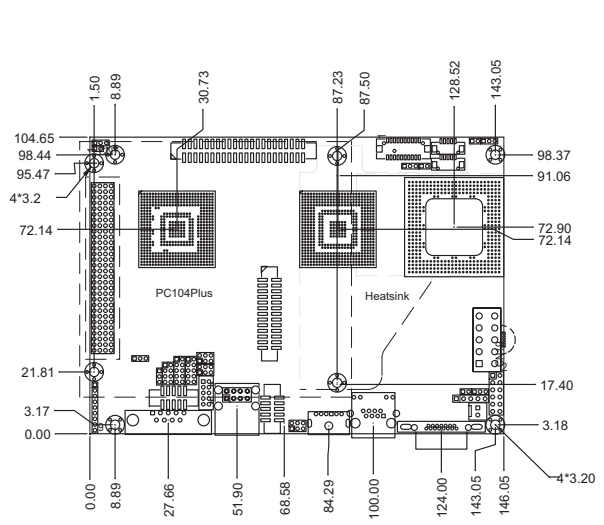
I/O

MIO	1 x SATA-150, 1 x PATA-133 IDE, 1 x FDD, 1 x PS/2 K/B + MS, 2 x COM (1 x RS-232, 1 x RS-232/422/485), 1xLPT, 1 x IrDA
Ethernet	Fast Ethernet with RPL/PXE boot ROM supported Wake-on-LAN via ATX power supply
Audio	AC'97 Codec Audio
USB	4 x USB 2.0 port
D I/O	4 channels input and output

Display

Chipset	Integrated in VIA CLE266 North Bridge controller
Memory Size	Max. up to 64MB frame buffer sharing system memory
Resolution	*Single Display Mode: CRT: 1400 x 1050; LVDS LCD: 1400 x 1050 *DualView Mode: CRT: 1400 x 1050; LVDS LCD: 1400 x 1050
Output Interface	*CRT connector for DAC output *Optional Dual LVDS LCD mode

Dimensions



* All the specifications and photos are subjected to be changed without notice.

ECP Services and Solutions
 STX SoM & Baseboards
 Mini ITX and LPX SBCs
 3.5" Capa Boards
 EPIC Boards
 5.25" Petit Boards & Accessories
 Half-size CPU Cards, Backplanes
 PCI104 & Mini PCI Modules
 Embedded eBOX System & MicroBox
 Power Supply
 Appendix