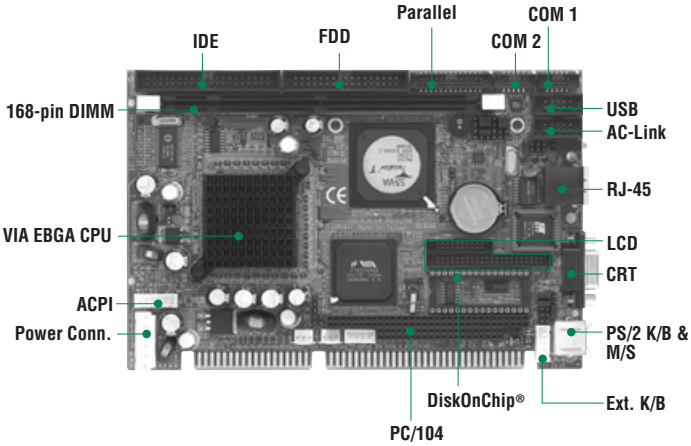
SBC82610

Eden/C3 ISA CPU Card with DOC



Eden/C3
Ethernet
CRT/LCD
AC-Link
DiskOnChip®
PCI/104
2 COM

Features

- Ultra low power CPU onboard
- Supports CRT and LCD
- 10/100Base-T Ethernet
- AC-Link interface for external audio

Packing List

Quick installation guide
Manual, driver & utility CD
I/O cable kit (1 x 40-pin IDE, 1 x 34-pin FDD, 1 x COM + LPT with bracket)

System

CPU	Onboard VIA ULP/LP Eden/C3 processor; 400/667/800MHz
System Memory	1 x SDRAM DIMM, max. up to 512MB
Chipset	VIA VT8606 (Twister-T) + 82C686B
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
SSD	DiskOnChip®
Watchdog Timer	0.5~1600 sec with 64 levels; system reset or NMI
Expansion Interface	PC/104 and ISA Golden Finger expansion interface
Battery	Lithium 3V/196 mAH
Power Consumption	Typical: 5V @ 3.8 A (C3-800 + 128MB) 5V @ 2.9 A (Eden-667 + 128MB) 5V @ 2.2 A (Eden-400 + 128MB) Max.: 5V @ 4.4 A
Size/Weight	185 x 122mm, 0.3kg
Temperature	0~60˚C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x ATA-100 IDE, 1 x FDD, 1 x K/B + M/S, 1 x RS-232, 1 x RS-232/422/485, 1 x LPT, 1 x IrDA
Ethernet	RTL8139C, 10/100Base-T with WOL
Audio	AC-Link interface for external AC'97 Audio Codec kit (AX93100)
USB	2 x USB port, USB 1.1a compliant

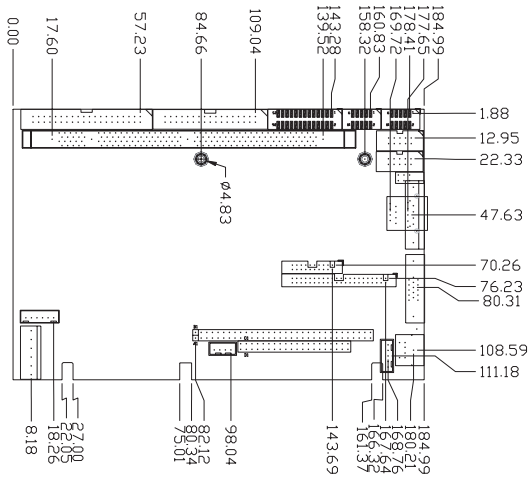
Display

Chipset	VIA Twister chip with integrated S3 Pro Savage4 2D/3D/Video Accelerator
Memory Size	8/16/32 MB frame buffer sharing system memory
Resolution	CRT mode: 1920 x 1440 @ 16bpp (60Hz), 1024 x 768 @16bpp (85Hz) LCD/Simultaneous mode: 1280 x 1024 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (60Hz)
LCD Interface	AGP-4X CRT/LCD interface, support for 9, 12, 18, 24, 36-bit TFT

Ordering Information

Standard	
SBC82610VE-400	With Eden 400MHz CPU, CRT/LCD, Ethernet and AC-Link
SBC82610VE-667	With Eden 667MHz CPU, CRT/LCD, Ethernet and AC-Link
SBC82610VE-800	With C3 800MHz CPU, CRT/LCD, Ethernet and AC-Link
Optional	
AX93100	AC'97 codec converter kit
CK9A000	1 x COM + 2 x USB wiring kit
PK8980	LCD kit for 18-bit TTL LCD with Hirose DF9-41P-1V connector
PK95000-24	LCD kit for 24-bit single channel LVDS
PK95000-48	LCD kit for 48-bit dual channel LVDS
ATX6020/4	4-slot passive backplane
ATX6020/6	6-slot passive backplane
Enclosure Options	
AX6033	4-slot MicroBox with 70W AC P/S
AX60530	6-slot MicroBox with 150W AC P/S
EM60320E	Embedded MicroBox with 180W AC P/S

Dimensions



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
PC/104 Modules
Mini PCI Modules
Embedded eBOX Systems & MicroBoxes
Power Supplies
Appendix

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