

SBC83675

Socket 370 Intel® Pentium® III Embedded SBC with 4 COM and Audio

5

Embedded Computing Platforms



ECP Services and Solutions

Computer-On-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

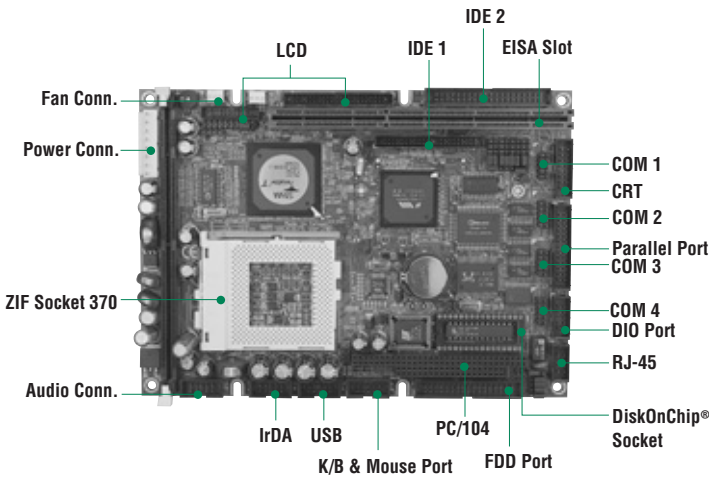
PCI/104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix



Socket 370

Ethernet

CRT/LCD

AC'97 Audio

DOC & CF

Mini PCI

4 COM

Features

- ▶ Socket 370 for Intel® Pentium® III/Celeron® and VIA C3 processor
- ▶ Supports CRT and LCD
- ▶ Supports 10/100Base-T Fast Ethernet
- ▶ AC'97 Audio
- ▶ 4 COM ports
- ▶ DiskOnChip® and CompactFlash™

Packing List

- Quick installation guide
- Manual, driver & utility CD
- 1 x 8-pin power input adapter cable

Ordering Information

Standard	
SBC83675VEA	Socket 370 with integrated VGA for CRT/LCD output, Fast Ethernet and AC'97 Audio
Optional	
CK8967	I/O wiring kit
CK8968	I/O wiring kit
CK8969	I/O 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
P3091	2 x PCI and 1 x ISA riser card
AX8501	1 x PCI and 1 x ISA riser card
AX8910	2 x PCI riser card
Enclosure Options	
EM1610S	Embedded MicroBox with 70W AC P/S
EM1610SA	Embedded MicroBox with 70W AC P/S and Audio output
EM60320C	Embedded MicroBox with 180W AC P/S

System

CPU	Socket 370 for Intel® Pentium® III/Celeron® and VIA 533~1.4GHz C3 processor
System Memory	1 x 168-pin SDRAM, max. up to 512MB
Chipset	VIA VT8606 (Twist-T) + VT82C686B
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN boot ROM, SmartView and customer CMOS backup
SSD	DiskOnChip® and CompactFlash™
Watchdog Timer	System rest and NMI; 64 Levels, 0.5~8 / 5~80 / 50~800 / 100~1600 Seconds
Expansion Interface	PC/104 and EISA
Battery	Lithium 3V/196 mAH
Size	203 x 146 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x ATA-100 IDE, 1 x FDD, 1 x K/B + M/S, 3 x RS-232, 1 x RS-232/422/485, 1 x LPT, 1 x IrDA
Ethernet	Realtek RTL8100C, 10/100Base-T with WOL
Audio	AC'97 Audio Codec with amplify
USB	2 USB 1.1a ports
Digital I/O	4 channel IN and 4 channel OUT

Display

Chipset	VIA Twister chip with integrated S3 Pro Savage4 2D/3D/Vedio accelerator
Memory Size	8/16/32MB frame buffer sharing system memory
Resolution	CRT mode: 1280 x 1024 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (85Hz) LCD/Simultaneous mode: 1280 x 1024 @ 16bpp (60Hz), 1024 x 768 @ 16bpp (60Hz), 1080 x 1024 @ 16bpp (60Hz)
LCD Interface	AGP-4X CRT/LCD interface, supports for 9, 12, 18, 24, 36-bit TFT

Dimensions

