

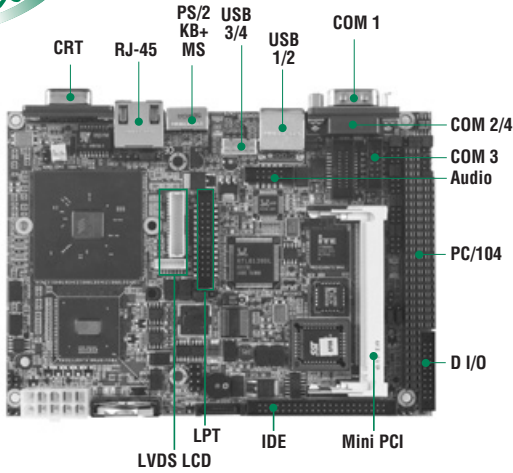
SBC84710

VIA V4 Embedded SBC with DualView, 4 COM and PC/104

3

Embedded Computing Platforms

New



Features

- ▶ Fanless low power V4 Eden/C7 CPU onboard
- ▶ DualView with different content & resolution
- ▶ 4 COM and 4 USB 2.0 ports
- ▶ PC/104 and Mini PCI socket for expansion
- ▶ Both +5V or +12V only single voltage DC-in supported

Packing List

Quick installation guide
Manual, driver, Utility CD and Cable Kit (1x10-pin Power Adapter cable, 1 x SATA cable, 1 x 44-pin IDE, 1 x Mini DIN-to-K/B+M/S, 3 x COM, 1 x LPT, 1 x Audio, 2 x USB)

System

CPU	VIA V4 compliant Eden/C7 processor onboard
System Memory	1 x 200-pin DDR 2 SODIMM max. up to 1GB
Chipset	VIA CX700 + ITE8888G
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
SSD	CompactFlash™ Type-II Socket
Board Unique ID	Board Unique ID supported
Watchdog Timer	Reset supported; 255 levels
Expansion Interface	Mini PCI Type-III Socket for PCI Bus expansion PC/104 for ISA Bus expansion
Battery	Lithium 3V/196 mAh
Size	146 x 104 mm
Temperature	0~60°C, operation
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x SATA-150 IDE, 1 x PATA-100 IDE, 1 x FDD, 1 x PS/2 K/B + MS, 4 x COM (1 x RS-232/422/485 & 3xRS-232), 1 x LPT
Ethernet	Realtek RTL8139DL Fast Ethernet controller
Audio	HD Audio for 2 channels output
USB	4 x USB 2.0 port via box-header for wiring solution
D I/O	8 channels input and output
SMBus	System Management Bus for advanced monitoring/control interface

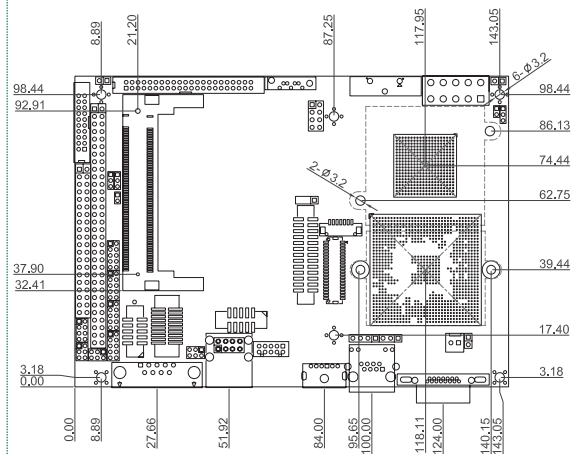
Display

Chipset	Integrated in VIA CX700
Memory Size	Max. up to 128MB frame buffer sharing system memory
Resolution	* Single display mode: CRT: 2048 x 1536; LVDS LCD: 1600 x 1200 * DualView mode: CRT: 2048 x 1536; LVDS LCD: 1600 x 1200
Output Interface	* CRT connector for DAC output * LVDS LCD via 40-pin Hirose connector and 7-pin Inverter connector

Ordering Information

Standard	
SBC84710VEA-600E	With V4 Eden 600MHz CPU, CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
SBC84710VEA-1GE	With V4 Eden 1GHz CPU, CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
Optional	
SBC84710VEA-400E	With V4 Eden 400MHz CPU, CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
SBC84710VEA-1.5GE	With V4 Eden 1.5GHz CPU, CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports

Dimension



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

PCI/104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix