

SBC84710

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

3

Embedded Computing Platforms

New



Coming Soon

Eden/C3/C7

Ethernet

CRT/LVDS

Audio

CompactFlash™

Mini PCI & PC/104

4 COM



Features

- ▶ Fanless low power V4 Eden/C3/C7 CPUs
- ▶ DualView with different content & resolution
- ▶ 4 COM and 6 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, 2 x 26-pin FDD, 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/C3/C7 processors
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/Weight	146 x 104 mm
Temperature	0~60°C, operatio
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
Digital I/O	8-IN and 8-OUT
SMBus	System Management Bus for advanced monitoring/control interface
Ethernet	Realtek RTL8100BL Fast Ethernet controller
Audio	HD Audio for 2 channels output
USB	4 x USB 2.0 port via box-header for wiring solution

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-600	V4 Eden 600MHz SBC with CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
SBC84710VEA-1GE	V4 Eden 1GHz SBC with CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
Optional	
SBC84700VEA-400	V4 Eden 400MHz SBC with CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports
SBC84700VEA-1.5GE	V4 Eden 1.5GHz SBC with CRT/LVDS LCD, Fast Ethernet, Audio and 4 COM ports

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 & Mini PCI Modules

Embedded eBOX System & MicroBox

Power Supply

Appendix