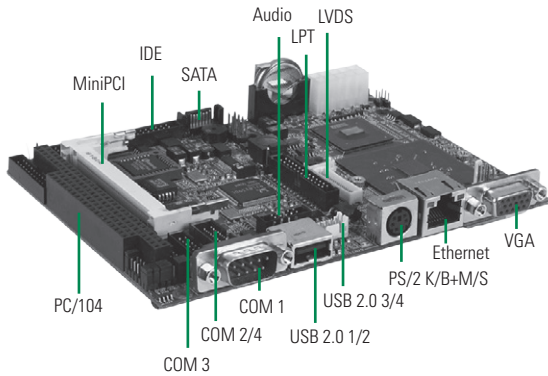


# SBC84710

VIA V4 3.5" Embedded SBC with VIA CX700M Chipset, VGA/LVDS, DualView, 4 COM and PC/104



## System

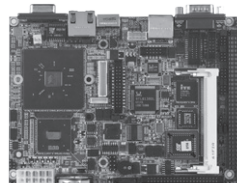
CPU	VIA V4 compliant Eden/C7 processor onboard with FSB 400/533 MHz
System Memory	1 x 200-pin SO-DIMM supports DDR2-400/533 max. up to 1 GB
Chipset	VIA CX700M
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II
Board Unique ID	Board Unique ID (optional)
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x MiniPCI 1 x PC/104 for 16-bit ISA bus
Battery	Lithium 3V/220 mAh
Power Input	2 x 5-pin connector ATX standard power source Optional DC-12V in only Optional DC-5V in only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power on function supported
Power Requirements	*VIA Eden @ 1.0 GHz, 1 GB DDR2 Max. RMS: +5V @ 1.77A, +12V @ 130.7mA *VIA Eden @ 500 MHz, 1 GB DDR2 Max. RMS: +5VSB @ 92.7mA, +5V @ 1.575A, +12V @ 67.99mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	0° ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

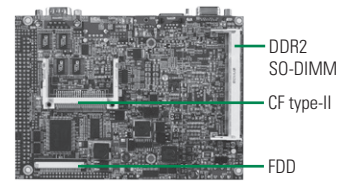
MIO	1 x IDE; PATA-133 1 x PS/2 keyboard and mouse 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 3 x RS-232 (COM 2/3/4); with +5V/+12V powered 1 x LPT; with SPP/EPP/ECP supported
SATA	1 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1 port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	HD Codec audio as MIC-in/Line-in/Line-out/speaker-out with VIA VT1708B
USB	4 x USB 2.0
Digital I/O	N/A

## Features

- Low power fanless VIA V4 Eden/C7 processor onboard
- DualView with different content & resolution
- 4 COM ports and 4 USB 2.0 ports
- PC/104 and MiniPCI slots for expansion



▲ Top view



▲ Rear view

## Display

Chipset	VIA CX700M integrated
Memory Size	Max. up to 128 MB
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel

## Packing List

### Standard

Quick installation guide, user's manual/utility CD, cable

### Cable

Part Number	Description	Qty
59484500010E	44-44-40 pin IDE cable L=200 mm+200 mm	1
59402010000E	ATX power cable 10P L=150 mm	1
59384500000E	COM + printer cable w/ bracket P=2.0, L=250 mm	1
59384500100E	Audio cable w/ bracket P=2.0 L=450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180 mm	1
59380000300E	COM port x 2 w/ bracket, P=1.27 x 2.54 L=300 mm	1
593826A0000E	SATA single cable 500 mm	1

## Ordering Information

### Standard

SBC84710VEA-1GE (P/N: E384710119)	3.5" SBC with V4 Eden 1 GHz CPU, VGA/ LVDS, 10/100Mbps Ethernet, 4 COM, 4 USB, audio and 4 COM ports
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