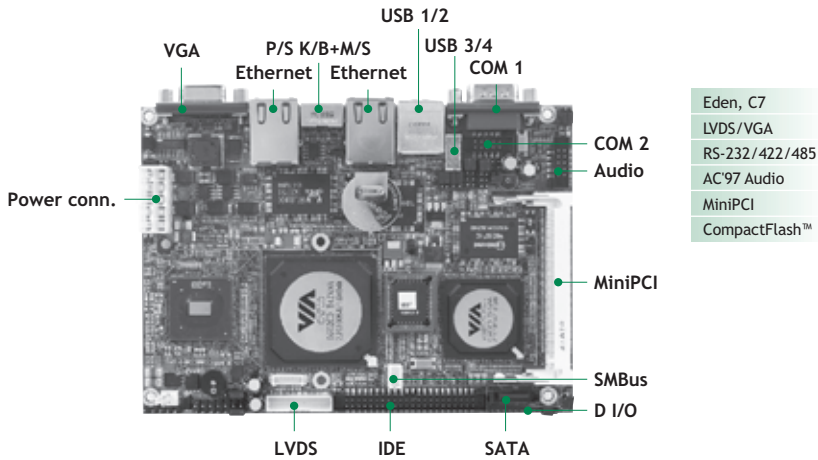


# SBC84700

VIA V4 3.5" Embedded SBC with DualView, Dual LANs and SATA

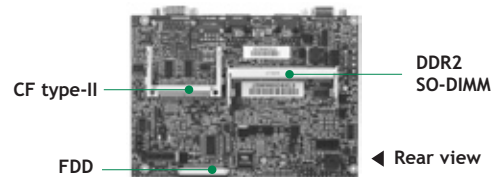


Eden, C7  
LVDS/VGA  
RS-232/422/485  
AC'97 Audio  
MiniPCI  
CompactFlash™



## Features

- Low power fanless VIA V4 Eden/C7 processor onboard
- VIA CN700 + VT8237R PLUS chipset
- DualView with different content & resolution
- Dual 10/100 Mbps Ethernet supported
- MiniPCI slot for PCI Bus expansion



## 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 CN700 + VT8237R Plus
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
Battery	Lithium 3V/210 mAh
Power Input	2 x 5-pin connector +5V DC-in only (+12V is required for +12V powered COM and LVDS inverter) AT Auto Power ON function supported
Power Requirements	*VIA Eden @ 500 MHz, 1GB DDR2 Max. RMS: +5VSB @ 205mA, +5V @ 1.502A, +12V @ 26mA, -12V @ 26mA *VIA Eden @ 1.0 GHz, 1GB DDR2 Max. RMS: +5VSB @ 113mA, +5V @ 2.07A, +12V @ 29mA, -12V @ 28mA
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	0°C - +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 FDD 1 x PS/2 keyboard and mouse 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 1 x RS-232 (COM 2); with +5V/+12V powered
SATA	1 x SATA-150
Hardware Monitoring	Detect CPU/system temperature, voltage and fan speed
Ethernet	1 <sup>st</sup> port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8100C 2 <sup>nd</sup> port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out/speaker-out with VIA VT1612A
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	3 channels IN & 5 channels OUT

## Display

Chipset	VIA CN700 integrated
Memory Size	Max. up to 64 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
59402010000E	ATX power cable 10P L=150mm	1
593826A0000E	SATA single cable 500mm	1
59484500010E	44-44-40 pin IDE cable L=200mm+200mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket L=180mm	1
59382620000E	COM port x 1w/ bracket, P=2.0 L=300mm	1
59384500100E	Audio cable w/ bracket P=2.0 L=450mm	1

## Ordering Information

Standard	
SBC84700VEEA-500E (P/N: E384700107) (fanless)	With V4 Eden 500 MHz CPU, VGA/LVDS, 2 10/100Mbps Ethernet, AC'97 audio and 2 COM ports
SBC84700VEEA-1GE (P/N: E384700101) (fanless)	With V4 Eden 1 GHz CPU, VGA/LVDS, 2 10/100Mbps Ethernet, AC'97 audio and 2 COM ports
Optional	
SBC84700VEEA-1.5G (P/N: E384700105)	With V4 C7 1.5 GHz CPU, VGA/LVDS, 2 10/100Mbps Ethernet, AC'97 audio and 2 COM ports