



### Features

- Onboard VIA V4 Eden 1 GHz CPU
- 1 240-Pin DIMM up to 1 GB DDR2 SDRAM
- Dual View, 2-CH LVDS
- 5.1-CH Audio
- Dual Realtek RTL8101E, Optional RTL8111B GigaLAN
- 1 Type I/II CF, 1 IDE
- 8 USB 2.0, 4 COM, 1 PCI, 1 PC/104, 1 LPT
- 2 IEEE-1394A
- 2 SATA, 16-bit GPIO

VIA CN896	2 LAN	Dual View	PC/104	2 IEEE 1394A
8 USB	4 COM	16 GPIO		

### Specifications

#### System

• CPU	Onboard VIA Eden 1 GHz CPU
• BIOS	Award 512 KB Flash BIOS
• System Chipset	VIA CN896 / VT8251
• I/O Chip	VIA VT1211
• System Memory	1 x 240-pin DIMM supports up to 2 GB DDR2 400/533/667 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	1 PC/104, 1 PCI

#### I/O

• MIO	1 x EIDE (1 x 40-pin, 2.54 mm), 2 x SATA, 4 x Serial (4 COM with 40-pin Box header. One COM can be set as RS-232/422/485 )
• IrDA	115k bps, IrDA 1.0 compliant
• USB	8 x USB 2.0 ports (8 Ports with 5 x 2, pitch 2.54 mm pin header)
• IEEE-1394	2 x IEEE-1394A
• DIO	16-bit General Purpose I/O for DI and DO

#### Display

• Chipset	VIA CN896 with integrated VIA Chrome9 HC DX9 GFX
• Resolution	CRT mode: 1920 x 1440 @32 bpp (85 Hz) LVDS mode: 1600 x 1200 @16 bpp (60 Hz)
• Dual Display	CRT + LVDS
• VGA/LCD Interface	AGP 4X VGA/LCD Interface
• LVDS	Dual 2 channel 18/24-bit LVDS (Dual LVDS display is available)

#### Audio

• Chipset	VIA VT8251
• AC97 Codec	VIA VT1616 Supports 5.1-CH Audio
• Audio Interface	CD Audio, Line out, Line in & Mic in

#### Ethernet

• LAN	Dual Realtek RTL8101E, Optional RTL8111B GigaLAN
• Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

#### Mechanical & Environmental

• Power Requirement	+5V@3.32A, +12V@0.08A, 5VSB@0.08A (with VIA Eden 1 GHz & 1 GB DDR2 667 SDRAM)
• Power Type	AT / ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W x H)	8" x 5.75" (203 mm x 146 mm)
• Weight	0.88 lb (0.4 kg)

### Ordering Information

- **EBM-CN896**  
5.25" VIA Eden 1 GHz Mini Module with LVDS, Dual LAN, 2 IEEE1394, CF, 6 USB, 2 SATA, 4 COM & GPIO
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1 GB)
- **ACC-EBM-CN896-1R**  
Cable kit for EBM-CN896  
Note: cable kit not included