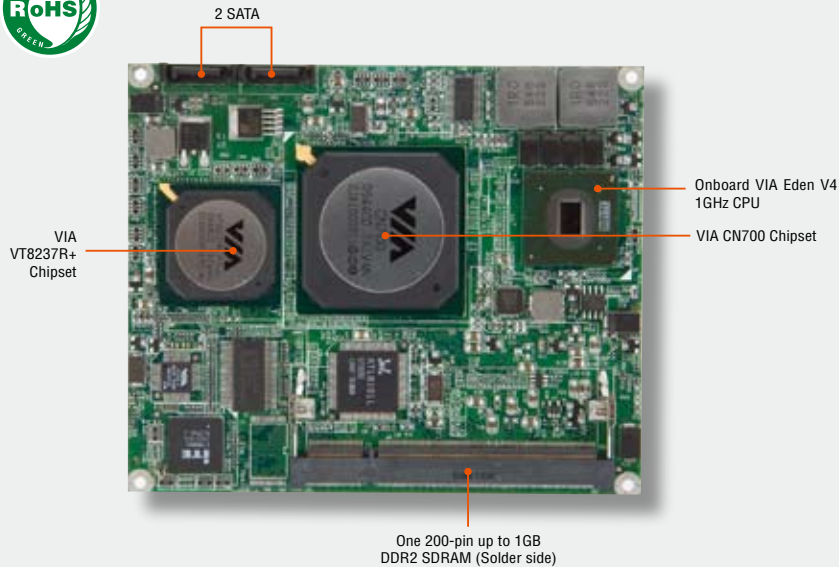




# ESM-CN700

## VIA CN700 Eden V4 1 GHz ETX Module



### Features

- Onboard VIA Eden V4 1 GHz CPU
- VIA CN700 VT8237R+ Chipset Supports MPEG-2 Decoder
- One SODIMM up to 1 GB DDR2 SDRAM
- 2-CH LVDS, Dual View
- 2 CH Audio, TV-out
- Realtek RTL8101L 10/100Mbps LAN
- ITE IT8888G PCI to ISA Bridge
- 2 SATA II, 2 COM, 4 USB 2.0
- Fanless Possible Operation



### Specifications

#### System

• CPU	Onboard VIA Eden V4 1 GHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	VIA CN700/VT8237R+
• I/O Chip	VIA VT1211
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR2 400/533 SDRAM
• Watchdog Timer	Reset: 3 min.~255 min.
• Expansion	Four PCI bus, ISA bus, SIRQ

#### I/O

• MIO	2 x EIDE (Ultra DMA 100), 2 x SATA II, 1 x FDD/LPT, 2 x TTL serial, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports

#### Display

• Chipset	VIA ProSavage CN700 with integrated UniChrome Pro IGP Graphics Core supporting Chromotion CE Video Display engine & MPEG-2 decoder
• Display Memory	16/32/64 MB frame buffer using system memory
• Resolution	CRT mode: 1600 x 1200 @ 32 bpp (60 Hz) LCD/Simultaneous mode: 1600 x 1200 @ 16 bpp (60 Hz)
• Multiple Display	CRT + LVDS, or TV out + LVDS, or CRT + TV out
• LVDS Interface	Dual-channel 18/24-bit LVDS
• TV-out	VIA VT1622A TV encoder supports NTSC/PAL, and optional SDTV Supports both S-video and composite video

#### Audio

• AC97 Codec	VIA VT1616 supports 2 CH Audio
• Audio Interface	Mic in, Line in, Line out

#### Ethernet

• LAN	Realtek RTL8101L
• Ethernet Interface	100Base-Tx Fast Ethernet compatible

#### Mechanical & Environmental

• Power Type	AT/ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	4.5" x 3.7" (114 mm x 95 mm)
• Weight	0.22 lbs (0.1 Kg)

### Ordering Information

- **ESM-CN700**  
VIA Eden V4 1 GHz ETX Module (5W)
  - **EEV-EX01 P. 2-13**  
ETX carrier board for evaluation
  - **ETX Carrier Board P. 2-14 ~ P. 2-15**  
Available in various form factors
  - **ACC-CN700HS-01R**  
Heat Spreader with Single Aluminum Body for ESM-CN700 (Height: 8 mm)
  - **ACC-CN700HS-02R**  
Heatsink Thermal Module for ESM-CN700
  - **ACC-ETXHS series**
    - ACC-ETXHS-01R:** Heatsink for ETX Heat Spreader w/o Fan, 95 x 114 x 16 mm
    - ACC-ETXHS-02R:** Heatsink for ETX Heat Spreader with Fan, 95 x 114 x 16 mm
    - ACC-ETXHS-03R:** Heatsink for ETX Heat Spreader w/o Fan, 95 x 114 x 30.4 mm
    - ACC-ETXHS-04R:** Heatsink for ETX Heat Spreader with Fan, 95 x 114 x 30.4 mm
- Note: Cable kit not included**