



Features

- Onboard VIA Eden V4 ULV 1 GHz CPU
- VIA CX700M Chipset Supports MPEG-2 / 4 and WMV9 Video Acceleration
- One 200-pin SODIMM up to 1 GB DDR2 SDRAM
- Dual View, 2-CH LVDS, DVI, TV-out, HDTV
- 5.1-CH / 7.1-CH Audio, S/PDIF, Dual LAN
- 1 PCI-104, 1 CF, 2 SATA, 2 COM, 4 USB, 8-bit GPIO
- Jumperless Serial Port Configuration
- ACPI S3/S4 Supported
- Fanless Operation



Specifications

System

• CPU	Onboard VIA Eden V4 ULV 1 GHz CPU Note: Available in different CPU speeds up to 1.6 GHz by request
• BIOS	Award 4 Mbit Flash BIOS
• System Chipset	VIA CX700M
• I/O Chip	VIA VT1211
• System Memory	One 200-pin DDR2 SODIMM socket supports up to 1 GB DDR2 400/533 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1~255 min., 1 min./step
• Expansion	1 PCI-104

I/O

• MIO	1 x EIDE (Ultra DMA 133), 2 x SATA, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B & Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0
• DIO	8-bit General Purpose I/O for DI and DO

Display

• Chipset	VIA CX700M with integrated 2D and 3D Graphics engine supporting MPEG-2-4 and WMV9 Video acceleration
• Display Memory	32/64/128 MB frame buffer using system memory
• Resolution	CRT mode: 1920 x 1440 @ 24 bpp (75 Hz) LCD / Simultaneous: 1600 x 1200 @ 24 bpp (60 Hz)
• VGA/LCD Interface	AGP 8X VGA/LCD interface
• LVDS	Dual-channel 18/24-bit LVDS
• DVI	VIA CX700M DVI interface
• TV-out	VIA CX700M HDTV encoder supports both NTSC/PAL Supports both S-video, composite video, and component YPb(Cb)Pr(Cr)

Audio

• Chipset	VIA CX700M
• AC97 Codec	Realtek ALC883 supports 5.1-CH / 7.1-CH with S/PDIF
• Audio Interface	Mic in, Line in, CD Audio in, Line out, S/PDIF out

Ethernet

• LAN	Dual Realtek RTL8101L
• Ethernet Interface	10/100 Base-Tx Fast Ethernet compatible

Mechanical & Environmental

• Power Requirement	+5 V @ 3.5 A (with VIA Eden 1.5 GHz & 1 GB DDR2 533 SDRAM, no LVDS Output) / +12V
• Power Type	AT 12 V/5 V / ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	5.7" x 4" (146 mm x 101 mm)
• Weight	0.44 lbs (0.2 kg)

Ordering Information

- **ECM-CX700**
3.5" VIA CX700M Eden V4 ULV 1 GHz Micro Module with VGA, 2-CH LVDS, DVI, HDTV, 7.1-CH Audio, Dual LAN, CF, PCI-104, 2 SATA, 2 COM, 4 USB, 8-bit GPIO
- **ECM-CX700-E5**
3.5" VIA CX700M Eden ULV 500 MHz Micro Module with VGA, 2-CH LVDS, DVI, HDTV, 5.1-CH Audio, Dual LAN, CF, PCI-104, 2 SATA, 2 COM, 4 USB, 8-bit 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: 256, 512 MB, 1 GB)
- **E1704640400R**
DVI Cable 24P / 1.91-40P / 1.25 40 cm

1
Embedded System

2
LPC Series

3
PPC Series

4
FPC Series

5
VTP Series

6
MTP Series

7
ETX/COM Express

8
3.5" SBC

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EPIC

10
Half-size

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5.25" SBC

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PC/104

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