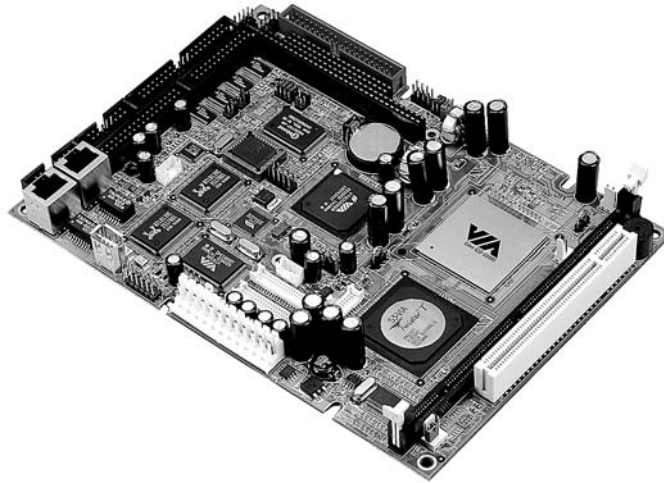


## ECM-5613

VIA Eden ESP6000 Mini Module



### FEATURES

- VIA Eden ESP6000 (667MHz) EBGA Low-power CPU Onboard
- Dual 10/100Base-Tx Fast Ethernet
- 36-bit Flat Panel & Dual-channel LVDS interfaces
- IEEE-1394 FireWire interface
- PAL/NTSC TV output

### Ordering Information

- ECM-5613  
VIA Eden ESP6000 667 MHz mini module
- ECM-5613-E4  
VIA Eden 400MHz CPU
- ACC-56122-1  
Cable kit for ECM-5612/5613 series

### SPECIFICATIONS

#### General Functions

CPU	VIA Eden ESP6000 (667MHz) EBGA Low-power CPU on-board
BIOS	Award 256K Flash BIOS
Chipset	VIA VT8606 VT82C686B
I/O Chipset	VT82C686B/Winbond W83977EF-AW
Memory	Onboard one 168-pin DIMM socket supports up to 512MB SDRAM
Enhanced IDE	Supports two EIDE drives. Supports Ultra DMA/100 mode with data transfer rate up to 100MB/sec
FDD interface	Supports two floppy disk drives
Parallel port	One bi-directional parallel port. Supports SPP, ECP and EPP modes
Serial port	Three RS-232 and one RS-232/422/485 serial port.
IR interface	Supports one IrDA Tx/Rx header
KB/Mouse connector	8-pin (4x2) connector. Supports PC/AT keyboard and PS/2 mouse
USB connectors	5 x 2 header onboard supports dual USB ports
Watchdog timer	Can generate a system reset. Software selectable time-out interval (32 sec. ~ 254 min., 1 min./step)
Power management	Supports ATX power supply. Supports PC97, LAN wake up and modem ring-in functions. I/O peripheral devices support power saving and doze/standby/suspend modes APM 1.2 compliant
Expansion interface	1 x PC/104 connector 1 x PCI connector

#### TV output

Supports both RCA jack and S terminal

#### Flat Panel/CRT Interface

Chipset	VIA VT8606, high performance 128-bit GUI, 3D engine
Display memory	8/16/32 MB frame buffer using system memory
Display type	Simultaneously supports CRT and TFT flat panel displays. 36-bit DSTN/TFT displays with 256 grey scale support
Interface	4X AGP ports 1.0 compliant
Resolution	Supports up to 1280 x 1024 @ 16bpp (60 Hz)
Video capture port	20-pin YUV Direct Video Input port onboard

#### Audio Interface

Chipset	VT82C686B
Audio controller	AC97 ver. 2.0 compliant interface, Multi-stream Direct sound and Direct sound 3D acceleration
Audio interface	Mic in, Line in, CD audio in, Line out

#### Ethernet Interface

Chipset	Dual Realtek 8139C Ethernet controller onboard (ECM-5613 only)
Ethernet interface	PCI 100/10 Mbps
Remote boot ROM	For diskless operation

#### SSD Interface

One CF socket supports Type I/II Compact Flash Card

#### IEEE1394 Interface

Chipset	VIA VT6306 PCI 1394A integrated Host controller
IEEE1394 interface	Integrated 400Mbit 3-port PHY

#### Mechanical and Environmental

Power requirement	+5V @ 3.4A, +12V @ 95mA (with VIA Eden 667MHz & 128MB SDRAM)
Operating temperature	0 to 60°C
Board size	203mm x 146mm
Weight	0.4kg