

ECM-5612

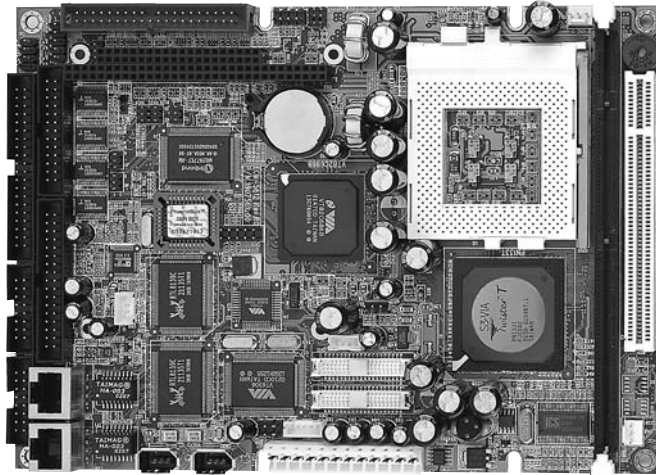
Socket 370 Tualatin PIII/
Celeron Mini Module

FEATURES

- Supports Intel Pentium III/Celeron and VIA C3 CPUs with FSB up to 133MHz
- Dual 10/100Base-Tx Fast Ethernet
- 36-bit Flat Panel & Dual-channel LVDS interfaces
- IEEE-1394 FireWire interface
- PAL/NTSC TV output
- Integrated AC97 2.0 Sound Blaster Compatible Audio
- Supports Type I/II Compact Flash

Ordering Information

- ECM-5612 Intel Tualatin Pentium III/ Celeron mini module
- ECM-5612L Same as above with single 10/100Base-Tx Ethernet
- ACC-56102-1 Cable kit for ECM-5610 series



SPECIFICATIONS

General Functions

CPU	Universal Socket 370 supports Intel Pentium III/Celeron (Coppermine and Tualatin) and VIA C3 CPUs with FSB up to 133MHz
CPU socket	Intel Socket 370
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

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 supported
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
TV output interface	Supports both RCA jack and S terminal

Audio Interface

Chipset	VT82C686B
Audio controller	AC97 ver. 2.0 compliant interface
Audio interface	Mic in, Line in, CD audio in, Line out

Ethernet Interface

Chipset	Dual Realtek 8139C Ethernet controller
Ethernet interface	PCI 100/10 Mbps
Remote boot ROM	For diskless operation

SSD Interface

	One CF socket supports Type I/II Compact Flash Card
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IEEE1394 Interface

Chipset	VIA VT6306 PCI 1394A integrated Host controller
Scalable bandwidth	From 25 ~ 112MHz

Mechanical and Environmental

Power requirement	+5V @ 6.7A, +12V @ 160mA (with Pentium III 1GHz & 256MB SDRAM)
Operating temperature	0 to 60°C
Board size	203mm x 146mm
Weight	0.5kg