

ECM-5618

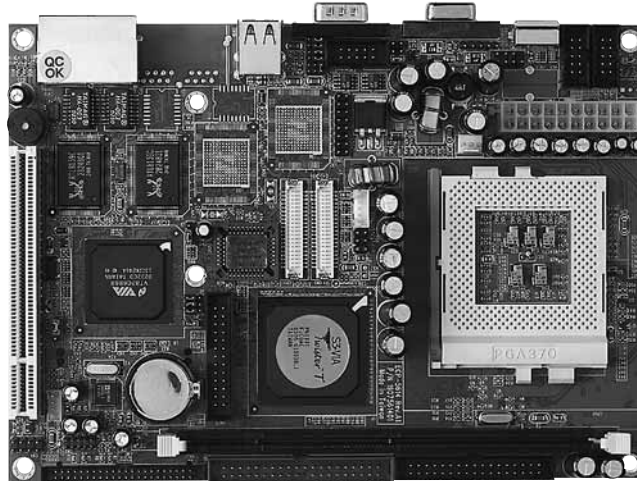
Tualatin PIII/
Celeron Mini Module

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 18-bit LVDS interfaces
- Integrated AC97 2.0 Sound Blaster Compatible Audio
- 2 COM/2 USB/1 Parallel/1 IrDA
- Supports Type I/II Compact Flash

Ordering Information

- ECM-5618
Intel Tualatin Pentium III/Celeron mini module with LCD, Dual channel LVDS, 3D graphics, AC97 Audio and Dual 10/100Base-Tx Ethernet



SPECIFICATIONS

General Functions

CPU	Supports Intel Pentium III/Celeron (Coppermine and Tualatin) and VIA C3 CPUs
FSB	66/100/133MHz
BIOS	Award 256K Flash BIOS
Chipset	VIA TwisterT VT8606/VT82C686B
I/O Chipset	VIA VT82C686B
Memory	Onboard one 168-pin DIMM socket supports up to 512MB SDRAM
Enhanced IDE	Supports four EIDE drives. (Ultra DMA 100) mode
FDD interface	Supports two floppy disk
Parallel port	One bi-directional parallel port
Serial port	Two RS-232 ports
IR interface	115K bps, IrDA 1.0 compliant
KB/Mouse connector	Supports Keyboard & Mouse
USB connectors	2 x USB 1.1 ports
DI/O	4-bit TTL DI and 4-bit TTL DO
Watchdog timer	Reset/IRQx; 2 sec. ~ 255 sec., 1 sec./step
Expansion interface	1 x PCI connector

Flat Panel/CRT Interface

Chipset	VIA VT8606, TwisterT chip with integrated S3 Savage4 2D/3D graphics engine
Display memory	8/16/32 MB frame buffer using system memory
Resolution	CRT mode: 1920 x 1440 @ 16bpp (60Hz) LCD/Simultaneous mode: 1280 x 1024 @ 16bpp (60Hz)
VGA/LCD LVDS	4X AGP VGA/LCD interface Dual channel, 2 x 18-bit

Audio Interface

Chipset	VT82C686B
AC97 Codec	VIA VT1612A
Audio interface	Mic in, Line in, CD audio in, Line out

Ethernet Interface

Chipset	Dual Realtek 8139C or optional 82559/82559ER
Ethernet interface	IEEE 802.3u 100Base-Tx Fast Ethernet compatible
Remote boot ROM	Optional built-in boot ROM in Flash BIOS

SSD Interface

One Compact Flash
Type I/II socket

Mechanical and Environmental

Power requirement	+5V @ 4.4A, +12V @ 21mA (with VIA C3 700MHz & 128MB SDRAM)
Power Type	ATX
Operating temperature	0 to 60°C
Board size	203mm x 146mm
Weight	0.4kg