

ECM-5616

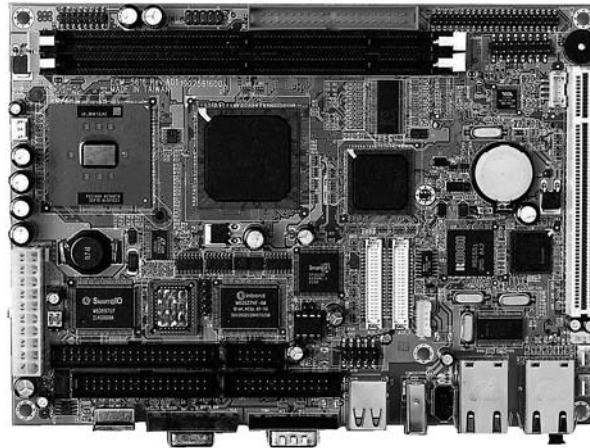
Mobile Intel Pentium III-M/
Celeron-M Mini Module

FEATURES

- On-board Mobile Intel Pentium III-M 800MHz/
Celeron-M 400MHz processor
- Dual Intel 10/100Base-Tx Fast Ethernet
- Four Ultra DMA/100 IDE interfaces
- Supports CRT and 48-bit TFT Panels
- RICOH CardBus/1394A Host Controller. Supports One PCMCIA Type I/II Slot & Dual IEEE 1394A Interfaces
- 6 COM/4 USB/1 Parallel/1 IrDA Ports
- Supports Type I/II Compact Flash

Ordering Information

- ECM-5616-C4
Mobile Intel Celeron-M400 MHz Mini Module
- ECM-5616-P8
Mobile Intel Pentium III-M 800 MHz Mini Module



SPECIFICATIONS

General Functions

CPU	Onboard Mobile Intel Celeron-M 400MHz or Onboard Pentium III-M 800MHz CPUs with FSB 100/133MHz
BIOS	Award 512KB Flash BIOS
Chipset	Intel FW82815EG GMCH/FW82801BA ICH2
I/O Chipset	Winbond W83627HF-AW/W83697UF
Memory	Two 168-pin DIMM socket supports up to 512MB SDRAM each
Enhanced IDE	Supports four EIDE drives. (Ultra DMA/100)
FDD interface	Supports two floppy disk
Parallel port	One LPT
Serial port	Six RS-232 ports
IR interface	Supports one IrDA 115bps 1.0 compliant
KB/Mouse connector	Supports keyboard and mouse
USB connectors	Supports four USB ports
Digital I/O	4-bit TTL DI and 4-bit TTL DI out
IEEE 1394A	RICOH R5C551 card bus/1394A host controller supports 2 x IEEE 1394A ports
Watchdog timer	Reset/IRQx; 32 sec. ~ 254 min., 1 min./step
Expansion interface	1 x PCI slot, one Card Bus

Flat Panel/CRT Interface

Chipset	Intel FW82815EG GMCH with integrated 2D/3D graphics engine
Display memory	1/2/4MB frame buffer using system memory
Display type	CRT mode: 1280x1024 @ 24 bpp (60Hz)
Resolution	LCD/Simultaneous mode: 1280x1024 @ 16 bpp (60Hz)
VGA/LCD interface	AGP 4X VGA/LCD interface
LVDS	SmartASIC SP1015E supports 9/12/18/24/36/48-bit TFT panels

Audio Interface

Chipset	Intel 82801BA ICH2
AC97 Codec	VT1616
Audio interface	Mic in, Line in, CD audio in, Line out

Ethernet Interface

Chipset	Intel 82562ET and Intel 82559ER
Ethernet interface	IEEE 802.3 100Base-Tx fast Ethernet compatible
Remote boot ROM	Optional built-in boot ROM in Flash BIOS

Gigabit (Optional)

Chipset	Intel 82540EM
Ethernet Interface	IEEE 802.3 1000Base-Tx Fast Ethernet compatible

SSD Interface

SSD Interface	One Compact Flash Type I/II socket
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Mechanical and Environmental

Power requirement	+3.3V @ 2.7A, +5V @ 0.6A, +12V @ 97mA (with Intel Celeron-M 400MHz & 128MB SDRAM)
Power Type	ATX
Operating temperature	0 to 60°C
Board size	203mm x 146mm
Weight	0.4kg