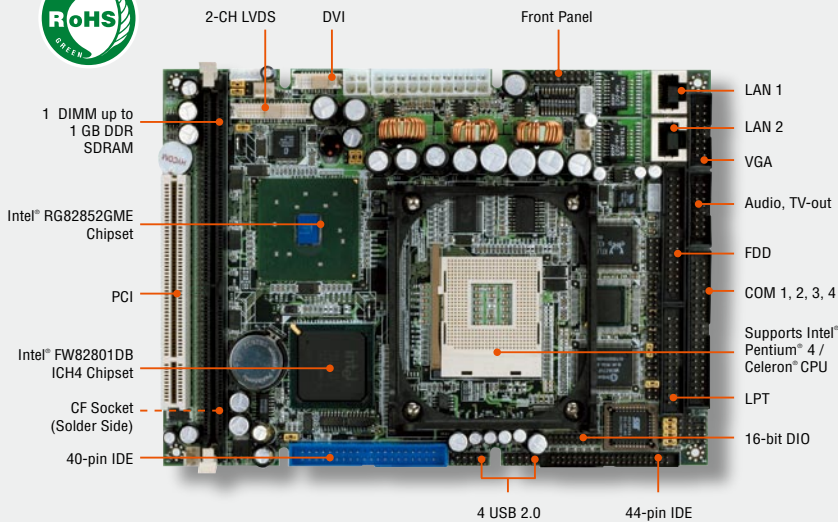




ECM-5712 5.25" Intel® Pentium® 4 / Celeron® Mini Module



Features

- Supports Intel® Pentium® 4 / Celeron® CPU
- Intel® 82852GME Chipset
- One DIMM up to 1 GB DDR SDRAM
- DVI, 2-CH LVDS, Dual View
- 5.1 CH Audio, TV-out
- Dual Realtek RTL8100C or Optional Intel® 82551QM/82551ER 10/100Mbps LAN
- Optional Realtek 8110S or Intel® 82541PI/82451ER Gigabit LAN
- 1 PCI, Type I/II CF
- 4 COM, 4 USB 2.0, 16-bit GPIO



5.25" Mini Modules

Specifications

System

• CPU	Supports µFC-PGA 478 Intel® Pentium® 4 with FSB 400/533 MHz Supports µFC-PGA 478 Intel® Celeron® with FSB 400 MHz
• FSB	400/533 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® RG82852GME GMCH/FW82801DB ICH4
• I/O Chip	Winbond W83627HF-AW/Fintek F81216D
• System Memory	One 184-pin socket supports up to 1 GB DDR 200/266/333 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats.
• Expansion	One PCI slot (PCI Rev. 2.2 compliant)

I/O

• MIO	4 x EIDE (Ultra DMA 100), 2 x FDD, 1 x LPT, 3 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 ports
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	Intel® RG82852GME GMCH integrated Extreme Graphics 2 controller
• Display Memory	Intel® DVMT 2.1 supports up to 64 MB video memory
• Resolution	CRT mode: 2048 x 1536 @ 16 bpp (75 Hz) LCD/Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)
• Dual Independent Display	CRT + LVDS, or DVI/TV-out + LVDS, or CRT + DVI
• VGA/LCD Interface	AGP 4X VGA/LCD interface
• LVDS	Dual-channel 18/24-bit LVDS
• DVI	Chrontel CH7009A DVI transmitter
• TV-out	Chrontel CH7009A TV encoder supports both NTSC/PAL Supports both S-Video and composite video

Audio

• Chipset	Intel® 82801DB ICH4
• AC97 Codec	VIA VT1616 supports 5.1 CH. Audio
• Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

• LAN 1	Realtek RTL8100C Optional Intel® 82551QM/82551ER or Realtek RTL8110S Gigabit LAN or Intel® 82541PI/82541ER Gigabit LAN
• LAN 2	Realtek RTL8100C Optional Intel® 82551QM/82551ER
• Ethernet Interface	100Base-Tx Fast Ethernet compatible: Realtek RTL8100C, Intel® 82551QM/82551ER 1000Base-T Fast Ethernet compatible: Realtek RTL8110S, Intel® 82541PI/82541ER

Mechanical & Environmental

• Power Requirement	+5 V @ 1.01 A, +12 V @ 4.13 A, +3.3 V @ 1.94 A, -5 V @ 0.07 A, -12 V @ 0.08 A, 5VSB @ 0.06 A (with Intel® Pentium® 4 2.6 GHz & 1 GB SDRAM)
• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	8" x 5.75" (203 mm x 146 mm)
• Weight	0.88 lbs (0.4 Kg)

Ordering Information

- **ECM-5712**
5.25" Intel® Pentium® 4 / Celeron® Mini Module with Heatsink, VGA, 2-CH LVDS, DVI, TV-out, 5.1 CH Audio, Dual LAN, CF, PCI, 4 COM, 4 USB 2.0 & GPIO
- **ECM-5712G**
Same as ECM-5712, but with Single Gigabit LAN
- **ACC-57122-1**
Cable Kit for ECM-5712
- **ACC-CFC-xx**
CompactFlash Card (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1 GB)