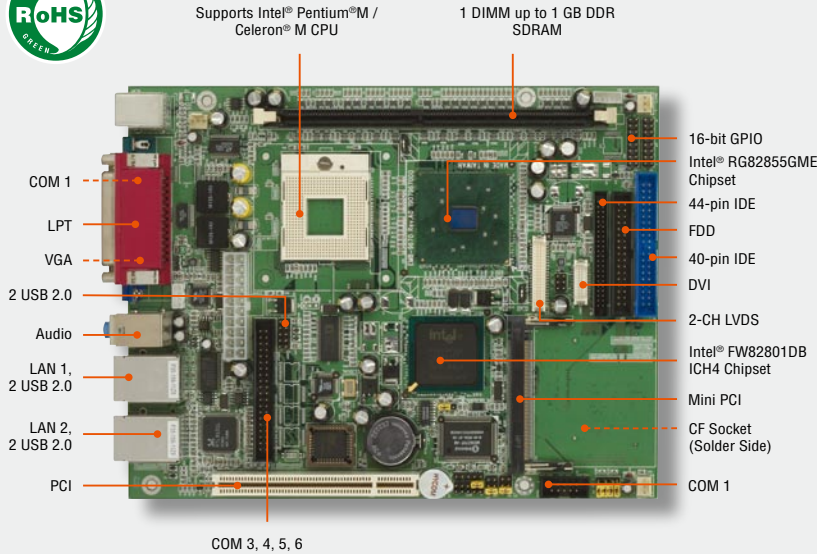




EMB-9670 Intel® 855GME Pentium® M / Celeron® M ITX Main Board



Features

- Supports 90 nm Intel® µFC-PGA 478 / µFC-BGA 479 Pentium® M / Celeron® M CPU
- Intel® 82855GME Chipset
- One DIMM up to 1 GB DDR SDRAM with ECC Supported
- DVI, 2-CH LVDS, Dual View
- 5.1 CH Audio, TV-out
- Intel® 82562ET and Realtek RTL8101L, Optional Intel® 82551QM/82551ER 10/100Mbps LAN
- 1 PCI, 1 Mini PCI, Type I/II CF
- 6 COM, 6 USB 2.0, 16-bit GPIO



Main Board

Specifications

System

• CPU	Supports µFC-PGA 478 / µFC-BGA 479 Intel® Pentium® M / Celeron® M with 0.13µ and 90nm process technology
• FSB	400 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® 82855GME GMCH/82801DB ICH4
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 184-pin DIMM socket supports up to 1 GB DDR 200/266/333 SDRAM with ECC supported
• 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), one Mini PCI slot

I/O

• MIO	2 x EIDE (Ultra DMA 100), 1 x FDD, 1 x LPT, 5 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• IrDA	115 k bps, IrDA 1.0 compliant
• USB	6 x USB 2.0 ports
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	Intel® 82855GME GMCH integrated Extreme Graphics 2 controller
• Display Memory	Intel® DVM 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)
• Multiple Display	CRT + LVDS, or DVI/TV-out + LVDS, or CRT + DVI
• LVDS	Dual-channel 18/24-bit LVDS
• DVI	Chrontel CH7009B DVI transmitter up to 135M pixels/second
• TV-out	Chrontel CH7009B TV encoder supports both NTSC/PAL Supports both S-video and composite video

Audio

• AC97 Codec	VIA VT1616 supports 5.1 CH Audio
• Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

• LAN 1	Intel® 82562ET
• LAN 2	Realtek RTL8101L, Optional Intel® 82551QM/82551ER or Intel® 82541PI Gigabit LAN
• Ethernet Interface	100Base-Tx Fast Ethernet compatible: Intel® 82562ET, 82551QM/82551ER, Realtek RTL8101L 1000Base-T Fast Ethernet compatible: Intel® 82541PI

Mechanical & Environmental

• Power Consumption	+ 5 V @ 1.12 A, + 12 V @ 0.01 A, + 3.3 V @ 2.7 A (with Intel® Pentium® M 1.6 GHz & 1 GB DDR SDRAM)
• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0% ~ 90% relative humidity, non-condensing
• Size (L x W)	6.69" x 8.66" (170 mm x 220 mm)
• Weight	0.88 lbs (0.4 Kg)

Ordering Information

- **EMB-9670**
Intel® Pentium® M / Celeron® M ITX Main Board with VGA, 2-CH LVDS, DVI, TV-out, 5.1 CH Audio, Dual LAN, CF, PCI, Mini PCI, 6 COM, 6 USB 2.0 & GPIO
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-FAN-PM-01R**
Supports Intel® Pentium® M CPU to 1.86G 27W
- **E1701400182R**
4xCom with bracket