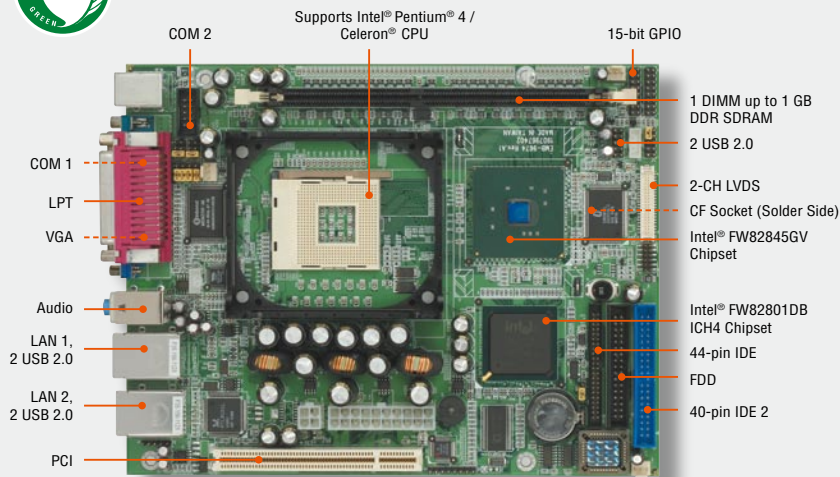




# EMB-9674 Intel® Pentium® 4 / Celeron® ITX Main Board



## Features

- Supports Intel® Pentium® 4 / Celeron® CPU
- Intel® 82845GV Chipset
- One DIMM up to 1 GB DDR SDRAM
- 2-CH LVDS
- 5.1 CH Audio, TV-out
- Intel® 82562ET & Realtek RTL8101L or Optional Intel® 82551QM/82551ER 10/100Mbps LAN
- Optional Intel® 82541PI/82541ER Gigabit LAN
- 1 PCI, Type I/II CF
- 2 COM, 6 USB 2.0, 15-bit GPIO

LVDS

TV-out

2 LAN

6 USB

Main Board

## 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® 82845GV 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
• 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 temperatures, voltages, and cooling fan status. Auto throttling control when CPU overheats
• Expansion	One PCI slot (PCI Rev. 2.2 compliant)

### I/O

• MIO	2 x EIDE (Ultra DMA 100), 1 x FDD, 1 x LPT, 1 x RS-232, 1x RS-232/422/485, 1x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	6 x USB 2.0 ports
• DIO	15-bit General Purpose I/O for DI and DO

### Display

• Chipset	Intel® 82845GV GMCH integrated Extreme Graphics controller
• Display Memory	Intel® DVMT 2.0 supports 64 MB video memory
• Resolution	CRT mode: 2048 x 1536 @ 16 bpp (75 Hz) LCD/Simultaneous mode: 2048 x 1536 @ 16 bpp (75 Hz)
• VGA/LCD Interface	AGP 4X VGA/LCD interface
• LVDS	Chrontel CH7017A supports dual-channel 18/24-bit LVDS
• TV-out	Chrontel CH7017A 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/82541ER Gigabit LAN
• Ethernet Interface	100Base-Tx Fast Ethernet compatible: Intel® 82562ET, 82551QM/82551ER, Realtek RTL8101L 1000Base-T Fast Ethernet compatible: Intel® 82541PI/82541ER

### Mechanical & Environmental

• Power Consumption	+5 V @ 0.51 A, +12 V @ 4.2 A, +3.3 V @ 2.0 A (with Intel® Celeron® 2.4 GHz & 256 MB 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-9674**  
Intel® Pentium® 4 / Celeron® ITX Main Board with Heatsink, VGA, 2-CH LVDS, TV-out, 5.1 CH Audio, Dual LAN, CF, PCI, 2 COM, 6 USB 2.0 & GPIO
- **EES-9674**  
Intel® Pentium® 4 / Celeron® Mini PC with CPU Cooler, VGA, 5.1 CH Audio, Dual LAN, CF, PCI, 2 COM & 6 USB 2.0
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)