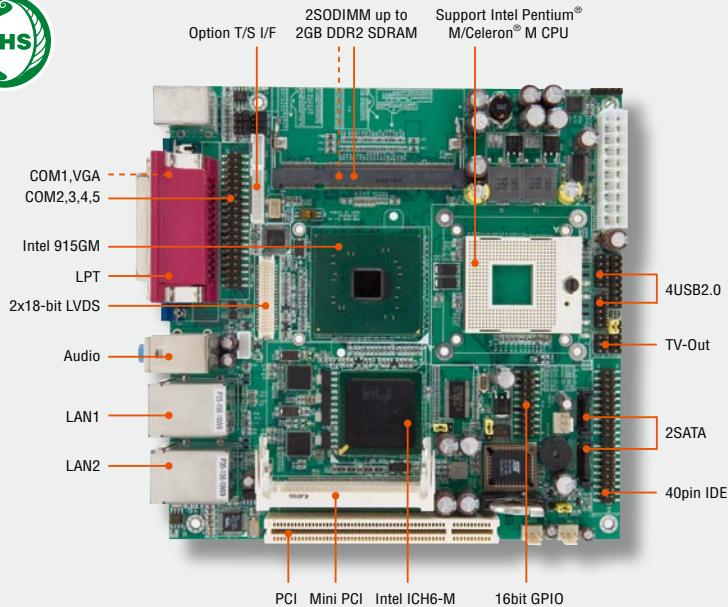


EMB-9682

Intel® 915GM Pentium® M / Celeron® M Mini ITX Main Board



Features

- Supports Intel® Pentium® M / Celeron® M CPU
- Intel® 82915GM Chipset
- Two SODIMM up to 2 GB DDR2 SDRAM
- 2-CH LVDS, Dual View
Optional Built-in Touch Screen I/F
- 5.1 CH Audio, HDTV
- Dual Marvell 88E8053 Gigabit LAN
- 1 PCI, 1 Mini PCI, Type I/II CF
- 2 SATA, 5 COM, 8 USB 2.0, 16-bit GPIO



Specifications

System

• CPU	Supports Intel® µFC-PGA 478 / µFC-BGA 479 Pentium® M / Celeron® M with 90nm process technology
• FSB	400/533 MHz
• BIOS	Award 512 KB Flash BIOS
• System Chipset	Intel® 82915GM GMCH/82801FBM ICH6-M
• I/O Chip	Winbond W83627HG-AW
• System Memory	Two 200-pin DDR2 SODIMM sockets support up to 2 GB DDR2 533 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, one Mini PCI slot

I/O

• MIO	2 x EIDE (Ultra DMA 100), 2 x SATA, 1 x LPT, 4 x RS-232, 1x RS-232/422/485, 1x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	8 x USB 2.0 ports
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	Intel® 82915GM GMCH integrated Extreme Graphics controller
• Display Memory	Intel® DVM T 3.0 supports up to 128 MB video memory
• Resolution	CRT mode: 2048 x 1536 @ 32 bpp (75 Hz) LCD/Simultaneous mode: 1600 x 1200 @ 16 bpp (60 Hz)
• Multiple Display	CRT + LVDS, CRT + TV
• LVDS	Dual-channel 18-bit LVDS
• TV-out	Intel® 82915GM GMCH integrated TV interface supports HDTV

Built-in Touch Screen (Optional)

• Chipset	PenMount DMC9000
• Touch Screen Interface	With 9-pin 2 mm box header (can be selected to support 4/5/8-wire touch screen)

Audio

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

Ethernet

• LAN	Dual Marvell 88E8053
• Ethernet Interface	1000Base-T Fast Ethernet compatible

Mechanical & Environmental

• Power Consumption	+5 V @ 1.78 A, +12 V @ 1.65 A, +3.3 V @ 1.58 V, -12 V @ 0.01 A, 5 Vsb @ 0.69 A (with Intel® Pentium® M 1.86 GHz & 1 GB DDR2 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 6.69" (170 mm x 170 mm)
• Weight	0.88 lbs (0.4 Kg)

Ordering Information

- **EMB-9682**
Intel® Pentium® M / Celeron® M Mini ITX Main Board with CPU Cooler, Heatsink, VGA, 2-CH LVDS, HDTV, 5.1 CH Audio, Dual Gigabit LAN, CF, PCI, Mini PCI, 2 SATA, 5 COM, 8 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**
Support Intel® Pentium® M CPU to 1.86G 27W