



Main Features

- ◆ Support Intel® Core™ 2 Quad, Core™ 2 Duo, Celeron® Processor
- ◆ Intel® GM45 with GMA4500MHD Graphic Engine
- ◆ 2 x 240-pin DDR3 DIMM socket, up to 8GB non-ECC 1066 MHz DRAM
- ◆ 2 x Intel® 82574L PCI Express Gigabit Ethernet
- ◆ 1 x Realtek ALC888 HD CODEC
- ◆ 6 x USB 2.0, 4 x Serial port, 4 x SATA and 1 x Parallel port
- ◆ 1 x PCIe x16 Slot/1 x PCIe x4 Slot/1 x PCI slot

Product Overview

The EBC 550 is a 5.25" form factor embedded utilizing Intel® Core™ 2 Quad, Core™ 2 Duo and Celeron® 575 Processor. EBC 550 features Intel® GM45 and ICH9-M chipsets, which supports DDR3 1066 MHz DRAM. The multi expansion features via PCIe x16, PCIe x4 and PCI for different application at your system device.

The EBC 550 embedded board supports a various operation systems such as Windows XP embedded, Win CE and Linux.

Specifications

CPU Support

- ◆ Intel® Core™ 2 Quad (Q9100 2.26GHz) (non longevity CPU)
- ◆ Intel® Embedded Processor List (Intel® Longevity CPU):
Intel® Core™ 2 Duo (T9400 2.53GHz)
Intel® Celeron® 575 2.0GHz

Main Memory

- ◆ 2 x 240-pin DDR3 DIMM Socket, up to 8GB non-ECC 1066 MHz DRAM

Chipset

- ◆ Intel® GM45
- ◆ Intel® ICH9-M

BIOS

- ◆ Award System BIOS
- ◆ PnP and ACPI support
- ◆ 8M bits SPI ROM

On-board LAN

- ◆ 2 x Intel® 82574L PCI Express GbE
- ◆ Support PXE and Wake on LAN (When 5Vsb available) (LAN1,LAN2 both)
- ◆ 2 x RJ45 w/ LED

Display

- ◆ Intel® GM45 integrated GMA4500MHD Graphic engine
- ◆ Analog VGA Interface:
1 x DB15 port
Resolution up to 1600x1200 at 85 Hz, 2048x1536 at 75Hz
- ◆ LVDS Interface:
2 x DF13 20-pin LVDS connector for internal connection, supports Single (24bit) or dual pixel (48bit) LVDS panel, resolution up to 1600 x 1200
- ◆ CCFL Interface:
1 x CCFL for Panel Backlight Inverter

Audio

- ◆ Realtek ALC888 HD CODEC
- ◆ 1 x Mic-in/1 x Line out

Expansion

- ◆ 1 x PCIe x16
- ◆ 1 x PCIe x4
- ◆ 1 x PCI

