

Intel Pentium M852GME platform Mini-board. VGA, LVDS, Audio, (2) PCI Slots, and Watchdog Timer



Features

- Pentium M/ Celeron M CPU, FSB 533/400MHz
- Intel 852GME/852GM and ICH4
- Intel 852GME/GM with Intel Extreme graphics
- On-board 18/24-bit dual channel LVDS interface
- PCI interface supports (2) PCI slots

CPU

Socket 479 Pentium M/ Celeron M CPU, FSB 533/400MHz.

Chipset

Intel 852GME/852GM and ICH4

System Memory

(1) 184-pin DDR 266/333 SDRAM up to 1GB, ECC memory supported or (1) 200/266 SDRAM up to 1GB Non-ECC supported.

VGA/LCD Controller

Intel 852GME/GM built-in Extreme graphics, DVMT with up to 64MB of frame buffer size, CRT, LCD monitor with analog display. External DB15 female connector on rear I/O panel. Build in 18/24-bit dual channel LVDS interface.

IDE Interface

(1) 44-pin Ultra DMA 100 IDE Interface supports up to (2) ATAPI devices.

Expansion Slot

PCI interface supports (1) or (2) PCI slots through special made riser card, (1) Type I Compact Flash slot, and (1) 32-bit 5V/3.3V Mini-PCI socket.

Ethernet

Intel 82562ET PHY, 10/100Base-TX auto-switching Fast Ethernet, full duplex, and IEEE802.3U compliant. External RJ45 connectors with LED on rear I/O panel.

Audio

REALTEK ALC201A, (2) Channel 3D audio with Line-in, Line-out and MIC-in.

Flash Memory Disk

(1) Compact Flash slot Type I on solder side.

I/O Ports

Serial Ports:	(2) RS-232
Parallel Port:	(1) SPP/ECP/EPP parallel port
FDD Port:	(1) Slim FDD port
Universal Serial Bus:	(2) USB 1.1 ports
IR Interface:	(1) IrDA port
Keyboard/Mouse Connector:	(1) PS/2 connector
GPIO port:	(1) 8-bit input and (1) 8-bit output
Audio Port:	(1) Phone jack for audio out and on-board header.

Watchdog Timer

System reset with 1~255 sec./min.

Power Requirement

12V@5.3A (Pentium M / 2M/ 2.13GHz/ DDR333 1GB/ 40GB HDD/ DVD-ROM/ XP/ 17" LVDS Panel)

Environment

Operating Temperature: 0°C ~ 60°C
Storage Temperature: -20°C ~ +85°C
Humidity: 10% ~ 90% RH, non-condensing.

Dimensions

154 x 101 mm (6.06" x 3.97")

Ordering Information

SBE-4215ANL	Intel Pentium M/Celeron M with socket 479, Intel 852GME, VGA, AC97 Audio, LVDS, CF, PCI, Mini-PCI, 2 x RS232, LAN, support ECC, CPU cooler included.
SBE-4215ANL-E	Embedded Celeron M 600MHz CPU, Intel 852GM, VGA, AC97 Audio, LVDS, CF, PCI, Mini-PCI, (2) RS232, LAN, non- ECC unbuffered memory. Heat sink included.
AAD-080-12	80W AC/DC Adapter, with 12V output.
PC-101P	PCI riser card supports (1) slot, right side.
PC-102P	PCI riser card supports (2) slots, left side.