

SBE-4215 ANL

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**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

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|---------------|---|
| 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. |

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