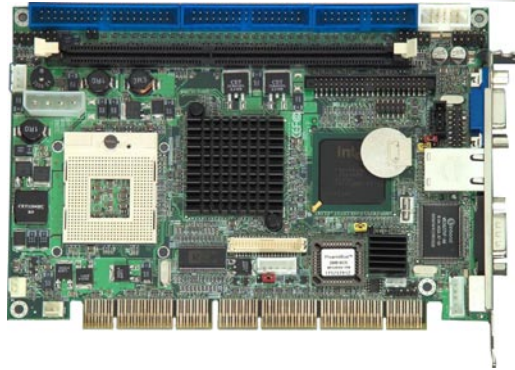


SBH-4217AGNL

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

PISA Bus Half-size SBC card features Intel Pentium M & Celeron M CPU, with Intel 855GME & ICH4, 1GB DDR SDRAM (ECC), Gigabit Ethernet, Audio, Compact Flash, 8-bit Digital I/O, 24-bit Dual LVDS Interface.



Features

- Intel® Pentium M & Celeron M @ FSB 400MHz
- Intel 82855GME and 82801DB
- (1) 184 pin DDR DIMM support up to 1.0GB DDR333 SDRAM. ECC supported.
- Intel 82540EM Gigabit Ethernet Controller
- Dual channel 24-bit interface for LVDS
- Watchdog Timer

CPU

Intel Pentium M & Celeron M @ FSB 400MHz.

Chipset

Intel 82855GME & ICH4.

System Memory

(1) 184 pin DDR DIMM to support up to 1.0GB DDR266/333 SDRAM Supports unbuffered ECC memory.

BIOS

Award® BIOS; ACPI 1.0 compliant.

VGA Controller

Intel 855GME GMCH built-in 256bit 2D/3D VGA controller, with 64 MB of video memory shared with system memory. Up to 24-bit Dual LVDS TFT LCD panel Inverter connector on board.

IDE Interface

PCI Enhanced IDE with Dual Ultra ATA, up to (4) ATAPI devices.

Ethernet

Intel 82540EM Gigabit Ethernet Controller.

Audio

ICH4 built-in AC97 3D audio controller with ALC201A.

Flash Memory Disk

Onboard Compact Flash Type-II socket .

PCI enhanced IDE

Supports two IDE channels & up to four IDE drives Supports *Ultra DMA 33/66/100.

Watchdog Timer

256-level generates system reset programmable watchdog timer.

Realtime Clock

Integrated RTC with onboard lithium battery.

I/O Ports

| | |
|---------------------------|--|
| Serial Ports: | (2) Serial ports , one internal and one external. |
| Parallel Port: | (1) Bi-direction parallel port supports SPP/ECP/EPP mode |
| FDD Port: | (1) Floppy disk port |
| GPIO Port: | (1) 12-pin Digital I/O connector with 8-bit programmable I/O interface |
| Universal Serial Bus: | (2) USB v2.0 ports |
| IR Interface: | (1) IrDA header |
| Keyboard/Mouse Connector: | (1) PS/2 connector |

Form Factor

Half Size ISA bus CPU Card / Slot PC.

Power Requirement

+5V@7A, +12V@0.5A (Pentium-M/1M/1.7 GHZ, 512MB, 30GB HDD/DVD)

Environment

Operating Temperature: 0°C ~ 60°C
Storage Temperature : -20° ~ 85°C
Humidity : 5% to 95% RH, non-condensing

Dimensions

185 x 127 mm (7.28"L x 4.9" H)

Ordering Information

SBH-4217AGNL Standard Product