

SBE-4B04 NL5

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**PC104 Plus
TM5400/5800
Transmeta Crusoe
CPU with C&T 69000 VGA
(CRT and LCD), Intel 82559
LAN and Watchdog Timer**



Features

- No CPU Fan needed, Ultra Low Power
- Transmeta Crusoe CPU TM5400 (533MHz) / TM5800 (800MHz)
- 1 SO-DIMM socket for up to 256MB SDRAM
- C&T 69000 VGA with 2MB embedded memory
- Intel 82559 on board Ethernet
- Super I/O built in VIA 82C686A/B chipset

CPU

Transmeta Crusoe Processor TM5400 (533MHz) / TM5800 (800MHz).

CPU Voltage

0.9 ~ 1.6 V

CPU External Clock

66MHz

Chipset

Transmeta Crusoe TM5400/TM5800
VIA 82C686A/B south bridge

System Memory

1 SO-DIMM SDRAM socket, 3.3V, supports up to 256MB SDRAM.

BIOS

Award BIOS, ACPI function supported.

VGA/LCD Controller

C&T 69000 with 2MB embedded memory, supports CRT and TTL LCD display.

IDE Interface

VIA 82C686A/B chipset integrated, IDE1-44-pin 2mm EIDE Connector.

Ethernet

Intel 82559 10Base-T/100Base-TX LAN controller, full duplex.

RTC/CMOS

VIA 686A/B integrated

Green / APM

APM1.2 / ACPI

Super I/O

VIA 686A/B integrated

I/O Ports

Winbond 83627HF, supports:

| | |
|---------------------------|--|
| Serial Ports: | COM1 and COM2 |
| Parallel Port: | 1 parallel port |
| FDD Port: | Slim Type FDD Connector (2.88MB, 3 Mode support) |
| Universal Serial Bus: | Supports 1 USB 1.0 port |
| Keyboard/Mouse Connector: | Pin header for PS/2 type connector |

Watchdog Timer

32-level timer.

Power Requirement

+5V (Card operates at 5V but allows 12V to pass through to other boards)

Environment

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|------------------------|----------------------------------|
| Operating Temperature: | 0°C ~ 60°C |
| Storage Temperature: | -20°C ~ 80°C |
| Humidity: | 10% ~ 90% RH, non-condensing |
| Temperature Sensor: | VIA 82C686A/B chipset integrated |

Dimensions

95 x 90 mm

Ordering Information

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|--------------|--|
| SBE-4B04NL-5 | Transmeta Crusoe TM5400 (533MHz) PC104 Plus with Intel 82559 LAN, C&T 69000 VGA, 64MB/128MB SO-DIMM Module |
| SBE-4B04NL-8 | Transmeta Crusoe TM5800 (800MHz) PC104 Plus with Intel 82559 LAN, C&T 69000 VGA, 64MB/128MB SO-DIMM Module |

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