

PCI-6870



Supports Socket 370 for Intel• Pentium®III/Celeron• processor up to 1.26/1.2 GHz

High speed Direct AGP for VGA display (815E built-in)with an optional video module supporting DVI,and TV out

10/100Base-T Fast Ethernet (Intel® 815E built-in and Intel® 82562ET onboard)

USB interface compliant with USB rev.1.1

Supports CompactFlash™ Type II cards

System overheat temperature control

Watchdog timer,jumperless on-line setup supported

Supports wake-up on LAN

Supports PCI interface compliant with PCI rev.2.1

Supports four PCI Bus masters

The PCI-6870 is the latest effort to provide new PCI based solutions to our customers. This SBC is based solely on the PCI bus standard. The advantage of using the PCI bus standard is the higher performance of 32-bits at 33 MHz compared to the ISA buses' standard 8/16-bits at 8 MHz. This increased performance makes PCI cards especially attractive for communication applications. PCI bus cards also provide for easy expansion. For example, adding another Ethernet port could easily be done on a PCI bus card. Also, other high-speed add-on cards need

PCI interface. High speed Add-on communication cards are good examples of this. The PCI-6870 supports both 0.13 micron and 0.18 micron socket 370 Pentium® III/Celeron™ processors of FSB 100/133. Using Intel® 815E chipset, it can support a Pentium® III CPU up to 1.24GHz or a Celeron™ CPU up to 1.2 GHz. PCI-6870 uses the VGA controller in the 815E chipset and supports Direct AGP. The VGA memory is UMA shared memory and can be further upgraded to 4MB with an optional module. There are 2 serial ports, one RS-232 and one RS-232/422/485. The PCI-6870's USB interface is USB rev. 1.1 compliant. There is a 10/100 Mbps Ethernet interface as well as SIR IrDA compliant infrared support. The PCI IDE interface has two IDE channels and supports 4 IDE devices with Ultra DMA33 with Bus Mastering up to 33MB/sec. In addition, channel one IDE supports Ultra DMA 33/66/100.

Specifications

Single Board Computers
Processor

Socket 370 for Intel Pentium III/Celeron

Clock Speed:

1.26 GHz

Real Time Clock:

Processor Misc.:

Chipset: Intel® 815E PCI set, FSB 100/133 MHz

2nd level cache: 128/256 KB on Celeron™ /Pentium® III Processors

Memory
BIOS/ Bootloader:

AWARD 256KB Flash BIOS

Primary Flash:

1x CompactFlash™ card Type II

Primary I/O
Disk interface:

1x FDD

2x EIDE (Ultra DMA33/66/100)

Audio:

AC97 (line-in/Line-out/Mic-in)

Ethernet:

10/100Base-T Ethernet IEE 802.3u 82562ET

USB:

2x USB

Serial Ports:

1x Parallel SPP/EPP/ECP

1x RS-232

1x RS-232/422/485

Watchdog:

Primary I/O Misc.:

IrDA port: One 115 kbps IrDA 1.0 compliant

On-board Security: CPU over temperature

Secondary I/O
LPT Port:

Keypad:

PS/2:

Analog on

A/D:

D/A:

Dimensions

7.28 × 4.8 in

Weight:

0.26 kg

Form Factor:

Half Size PCI Card

Power Requirements

Typical Current:

6.88 A

Typical Voltage:

5 V

Max Boot Current:

8 A

Power Misc.:

Power Management: Supports Advanced Power Management

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Pricing

PCI-6870-0

Socket 370 half-size PCI CPU card

\$0.00

Parent Product:

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