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## PCM-5823



Onboard NS GX1-300 MHz CPU or GX1-233 MHz CPU

Dual Ethernet On board

Provides AC97 Audio interface (optional)

Single +5 V power supply

ISA-bus expansion with on-board PC/104 connector

Compact size: 145 x 102 mm fits in the space of a 3½ " HDD

The PCM-5823 NS Geode Series is a 3.5" SBC which offers an onboard NS Geode GX1 300 MHz processor or GX1-233 MHz processor, plus support for dual ethernet for network functions such as Firewall, Router or Gateway functions. Other onboard features include VGA/LCD, a CompactFlash<sup>TM</sup> card socket, and watchdog timer. With the 586-level NS Geode processor mounted directly on board, upgrade and system configuration is much more convenient as is the benefits of fanless operation in temperatures up to 60° C (140° F). This board is a feature-packed, 586-level, hassle-free solution for space critical applications. The flexible, dual Ethernet capability of the PCM-5823 gives network administrators another tool to deal with today's changing application needs. The board comes with the top-of-the-line Intel® 82559E LAN chips or cost-effective RTL 8139C LAN chips, depending on users needs. Used as a DMZ device, the PCM-5823 could act as a firewall that sits between the internet and a company's internal network. This applies to Web (HTTP) servers, FTP servers, SMTP (email) servers or DNS servers. The PCM-5823 can also be used as an internet-network gateway (router) that connects a number of local networks. Once again, the dual ethernet capability and processing power of the PCM-5823 gives it the ability to perform these functions. The compact size, low power consumption, and fanless operation allow it to be used "exactly" where you need it as well. Specifications

EOT Single Board Computers

Processor

Onboard NS GX1
Clock Speed:
300 MHz
Real Time Clock:
Processor Misc.:
Optiona Processor: Onboard GX1-233 processor
Chipset: NS CX5530
Memory Bios/ Boolloader:
Award 256 KB Flash memory
Primary Flash:
1x CompactFlash <sup>TM</sup> card
1x Compacti fash Card
Primary I/O Disk interface.
2x FDD
2x EIDE (Ultra DMA33)
Audio:
AC97 NS CX5530
Ethernet:
10/100 Mbps Ethernet IEEE 802.3u 2x RJ-45 (Intel 82559/Realtek RTL 8139)
USB:
2x USB
Serial Ports:
1x Parallel SPP/EPP/ECP
1x RS-232
1x RS-232/422/485
Watchdog:
Primary I/O Misc.:
Infared port: Supports up to 115 Kbps transmitting rate
Secondary I/O
Keypad:
PS/2:
Analog on A.u.
D/A:
Dimensions Dimensions.
$5.7 \times 4$ in
Weight:
0.77 kg
Form Factor:
Half EBX
Power Requirements
Power Requirements

Processor:

1.5 A
Typical Voltage:
5 V
Max Boot Current:
4 A
Environmental Low Operating Temperature:
0 C
High Operating Temperature:
60 C
Pricing PCIVI-J023E
PCM-5823E
\$0.00
PCM-5823G
PCM-5823G
\$0.00
Cables & Adapters:
CAB-20-001-1
44-pin to dual 40-pin EIDE Cable
\$20.00
Exension Modules:
PCM-231A
Audio Module
\$0.00
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5 V

Typical Current: