

PCM-9562



Embedded Intel® Atom Fanless N450 or D510 (Dual Core) Processor

Supports DDR2 memory

Supports Dual Independent Display

Supports Up to 3 Gig Ethernet

Supports Up to 6 Serial ports

Supports 8 USB 2.0 ports

Supports 3 SATA drives

Supports PC/104+, PCI & Mini PCI Express Expansion

Supports +5 V and +12 V power; or single +5 V power

Wide Temperature Version Available

The PCM-9562 is centered on the low power Intel® Atom Single Core N450 or Dual Core D510 processor which supports enhanced Intel “SpeedStep” technology and uses Intel’s N450/D510 chipset. This chipset is ideal for embedded computing and provide an optimized on-board integrated graphics solution. “SpeedStep” technology intelligently focuses system power where the CPU needs it and automatically regulates power usage to minimize power consumption. The PCM-9562's design is based on the EBX form factor and provides expansion support via PC/104+, a PCI slot and a Mini PCI Express slot. The EBX form factor also provides convenient connector layout for easy assembly, more efficient cable connections, and better overall embedded system integration. This compact unit (only 8" x 5.75") offers all the functions of a rack type industrial computer, but still fits in the space of a CD-ROM drive. On-board features include: six serial ports,

eight USB (Universal Serial Bus) 1.1/2.0 ports, three Gig Ethernet ports, an Audio port and a PS/2 keyboard/mouse interface. The built-in high-speed SATA Hard Driver controller supports a maximum transfer rate of 300MB per second. Up to three drives can be connected, including large hard disks, CD-ROM drives, and tape backup drives. **Flash Disk and Memory not included.**

Specifications

Single Board Computers > 1 GHz
Processor
Processor:

Embedded Intel Atom N450/D510 (Dual Core)

Clock Speed:

1.66 GHz

Real Time Clock:

Processor Misc.:

Chipset: N450/D510

L2 Cache: 512 KB/1 MB

BIOS/Bootloader:

Memory

AMI 16 Mbit

Primary Flash:

1x CompactFlash™ card Type I/II

Primary I/O
Video Out:

Intel Dual Display CRT/LCD up to 224 MB shared

Audio:

Realtek ALC888 HD codec with AC97 Line-in/Line-out/Mic-in

Ethernet:

IEEE 802.3u 10/100/1000 Base-T with 1x RJ45 connector

USB:

8x USB 2.0

Serial Ports:

3x RS-232

2x RS-232/422/485

1x Parallel SPP/EPP/ECP

Watchdog:

Primary I/O Misc.:

SATA Interface: Three SATA Channels supporting 3 drives

Optional Serial Port: 1x RS232 port

Ethernet Chipset:

- LAN1 - Intel 82567
- LAN2 - Intel 82583V
- LAN3 - Intel 82583V (Optional - Contact Sales - Minimum Order Quantity is required.)

Secondary I/O
L1 Port:

Keypad:

PS/2:

Analog on
A/D.

D/A:

Dimensions
Dimensions:

8 × 5.75 in

Weight:

850 g

Form Factor:

Full EBX

Power Requirements
Power Misc.:

Power Management APM 1.2, ACPI 3.0 supported

Power Requirements: AT / ATX (Both AT/ATX can support ACPI)

- AT: 12V ±10% only
- ATX: 12V ±10%, 5VSB ±5% (5V stand-by is for auto power off function)
- Maximum:
 - PCM-9562N: 13.9W (1159 mA @ 12V, 6 mA @ 5 VSB)
 - PCM-9562D: 16.9W (1404 mA @ 12V, 8 mA @ 5 VSB)

Typical:

- PCM-9562N: 10.8W (893 mA @ 12V, 8 mA @ 5 VSB)
- PCM-9562D: 13.6W (1130 mA @ 12V, 10 mA @ 5 VS)

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Environmental Misc.:

Temperature PCM-9562NZ: - 20 to + 80°C

Pricing
PCM-9562N

ATom 1.6GHz N450 Fanless SBC w/video, Dual GIG LAN (one remaining in stock)

\$324.00

Parent Product:

PCM-9562D

ATOM 1.6GHZ D510 DUAL CORE SBC W/Video, DUAL GIG LAN

\$319.00

Parent Product:

PCM-9562NZ

ATOM 1.6GHZ N450 Wide temp SBC W/Video, DUAL GIG LAN, 1 GB RAM

\$474.00

Parent Product:



Wiring Kits:

PCM-10586-9562E

Wiring Kit for the PCM-9562

\$55.00

Source URL: <https://www.emacinc.com/content/pcm-9562>