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## PCM-3362



Embedded Intel® Atom Fanless N450 Processor

Supports DDR2 memory

Supports Dual Independet Display

Supports Gig Ethernets

Supports 3 Serial ports

Supports 4 USB 2.0 ports

Supports 1 SATA supporting 2 drives

Supports PC/104+ Expansion

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

Wide Temperature Version Available

OS can be booted from 2GB Resident on-board Flash

The PCM-3362 is centered on the low power Intel® Atom Single Core N450 processor which supports enhanced Intel "SpeedStep" technology and uses Intel's N450 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-3362's design is based on the PC/104+ form factor and provides expansion support via ISA & PCI Busses. The PCM-3362 gives developers a low power, low cost and scalable platform that can fit into the tightest places. PC/104+, PCI/104 and PC/104 expansion allows features to be quickly added using any one of EMAC's many PC/104, PC/104+, or PCI/104 expansion modules. The PCM-3362 is perfect for applications such as data acquisition and industrial automation where low power in a limited space is required. On-board features include: three serial ports, four USB (Universal Serial Bus) 1.1/2.0 ports, a Gig Ethernet port, 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. For more rugged applications the 2GB of on-board Flash can be utilized in place of the hard drive. Specifications

SBC Type:
Single Poord Computers > 1 GHz Processor.
Embedded Intel Atom N450
Clock Speed:
1.66 GHz
Real Time Clock:
Processor Misc.:
Chipset: N450
L2 Cache: 512 KB
Memory Biog/ Boodloader:
AMI 16 Mbit
Primary Flash:
2GB of Resident on-board Flash memory
Primary I/O Gr10.
1x 8-bit GPIO
Video Out:
Intel Dual Display CRT/LCD up to 224 MB shared
Audio:
HD Audio requires optional CODEC module.
Ethernet:
Intel 82567V 802.3u 10/100/1000 Base-T with a RJ45 connector
USB:
4x USB 2.0
Serial Ports:
2x RS-232
1x RS-232/422/485
Watchdog:
Primary I/O Misc.:
SATA Interface: One SATA Channel
Ll I Port.
Keypad:
PS/2:
Analog on A.D.
D/A:
Dimensions Dimensions.
$3.8 \times 3.5 \text{ in}$
Weight:
162 g
Form Factor:
PC/104+
Power Requirements

Power Misc.:
Power Management APM 1.2, ACPI 3.0 supported
Power Requirements: AT / ATX (Both AT/ATX can support ACPI
$\circ$ AT: 5V $\pm 10\%$ only
$\circ$ ATX: 5V ±10%, 5VSB ±5% (5V stand-by is for auto power off function)
Environmental Low Operating Temperature:
0 C
High Operating Temperature: 60 C
Environmental Misc.:
PCM-3362Z: - 20 to + 80°C (includes 1GB of on-board RAM)
PCM-3362Z2: -40 to + 85°C (includes 1GB of on-board RAM)
Pricing PCM-3302N
PCIVI-3502N ATOM 1.6GHZ N450 Fanless SBC W/ No RAM
\$319.00
Parent Product:
PCM-3362Z
ATOM 1.6GHZ N450 -20 TO 80C SBC W/ 1GB RAM (NCNR)
\$510.00
Parent Product:
PCM-3362Z2
ATOM 1.6GHZ N450 -40 TO 85C SBC W/ 1GB RAM (NCNR)
\$541.00
Parent Product:
Exension Modules:
PCA-AUDIO-HDA1E
Extension module for 7.1 channel High Definition audio \$0.00

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Typical Current:

Typical Voltage:

5 mA

5 V