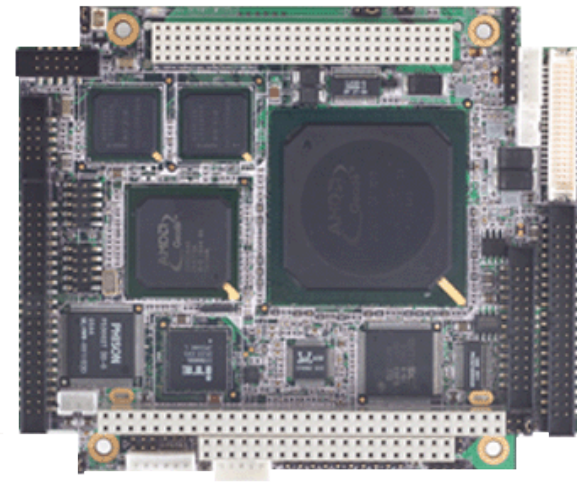


### PCM-4153



AMD Geode LX800/500 MHZ Fanless Processor

200-pin SO-DIMM up to 1GB DDR DRAM

18/24 Bit TFT & 18 Bit LVDS Video Interfaces

Support Dual Independent Display (CRT, LVDS and TTL LCD)

Intel 82551ER 10/100 Base-T Ethernet, Optional Dual Ethernet

AC97 Audio Interface

4 x USB Ports

4 x Serial Ports

Optional Extended Temperature

Compact Flash Socket

Supports PC/104 and PCI PC/104+ Interface

The PCM-3353 utilizes an onboard Ultra-Low Voltage Fanless AMD Geode LX800 500 MHz processor, which makes the PCM-3353 one of the smallest and most energy efficient x86 SBCs on the market. The PCM-3353 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-3353 is perfect for applications such as data acquisition and industrial automation where low power in a limited space is required. The PCM-3353 uses its onboard Geode graphic chipset that provides excellent graphics performance and provides flat panel support using digital dual independent displays with CRT, LVDS, and TTL interfaces. An SDRAM memory capacity of up to 1GB is large enough to accommodate the latest operating systems, including Linux, RTAI Real-Time Linux, Microsoft Windows XP/XPE, Windows CE 6.0, Windows Vista and DOS 6.22. Four USB 2.0 ports are available as well as 4 serial ports (Three RS-232 & One RS-232/422/485). With its high grade reliability, the PCM-3353 can operate continuously at temperatures up to 140° F (60° C) without a fan. A Industrial temperature version is available that extends its temperature rating to -40° to 85° C. The numerous features provide an ideal price/performance solution for industrial applications where stability and reliability (no moving parts) are essential.

#### Specifications

SBC Type:  
Single Board Computers < 1 GHz  
Processor  
Processor.

AMD Geode LX800

Clock Speed:

500 MHz

Real Time Clock:

Processor Misc.:

L2 Cache: 128 KB

Chipset: AMD Geode LX800

Memory  
BIOS/Bootloader:

AWARD 4Mbit Flash BIOS

Primary Flash:

supports one internal Type I CompactFlash™ socket

Memory Misc.:

Flash Memory: On-Board Flash 1GB

Primary I/O  
Disk Interface.

1x EIDE which supports 2x IDE Drives

Video Out:

AMD CS5536 CRT/LCD 4 - 64 MB Shared

Audio:

AC97 2.0 with mic-In/line-in/line-out support

Ethernet:

Intel 82551ER 10/100 Base-T Ethernet

USB:

4x USB 2.0

Serial Ports:

3x RS-232

1x RS-232/422/485

Watchdog:

Secondary I/O  
LPT Port.

Keypad:

PS/2:

Analog on  
A/D.

D/A:

Dimensions  
Dimensions.

4.5 × 3.8 in

Form Factor:

PC/104

Power Requirements  
Typical Current.

1.35 mA

Typical Voltage:

5 V

Environmental  
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Environmental Misc.:

Optional Wide Temp: -20 to 80°C

Optional Industrial Temp: -40 to 85 °

Pricing  
PCM-4153F-L

500MHZ PC/104+ W/DUAL LAN/On-board Flash & RAM

\$398.00

Parent Product:

PCM-4153Z-L

500MHZ W/DUAL LAN/On-board Flash&RAM/wide temp (NCNR)

\$497.00

Parent Product:

PCM-4153Z2-L

500MHZ W/DUAL LAN/On-board Flash&RAM/Industrial temp (NCNR)

\$601.00

Parent Product:

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