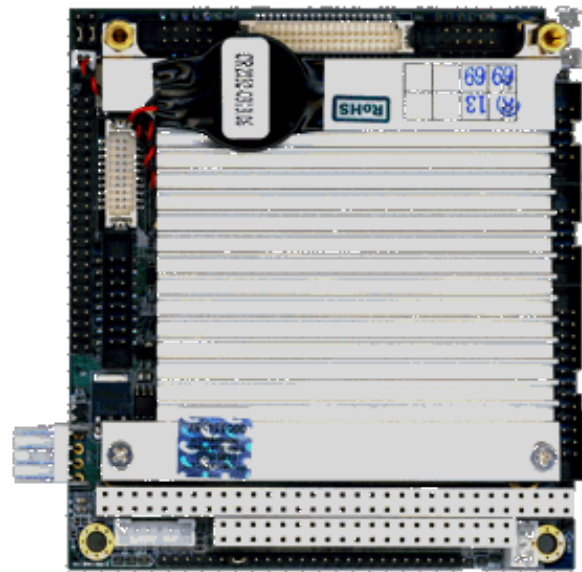


PCM-3375



VIA Mark 533MHz Fanless CPU

Supports CompactFlash

PC/104 Expansion Interface

10/100BaseT Ethernet

18-bit LCD & CRT interface

The PCM-3375 utilizes an onboard VIA 533 MHz Mark Fanless processor, which has an integrated VIA Twister chipset, making the PCM-3375 one of the smallest and powerful SBCs on the market. Unlike other high-end PC/104 SBCs, the PCM-3375 maintains the true PC/104 standard form-factor and does not require “wings”. The PCM-3375 gives developers a low power, high performing and scalable platform with superior graphics capabilities that can fit into the tightest places. PC/104- I/O expansion allows features to be quickly added using any one of EMAC’s many PC/104 expansion modules. The PCM-3375 is perfect for applications such as military and industrial automation where uncompromised performance in a limited space is required. The integrated Savage4™ AGP 4X 3D Graphics core maintains excellent graphics performance and provides VGA/LCD support up to 1400 x 1050. SDRAM memory capacity up to 256MB is large enough to drive the latest operating systems, including Linux, RTAI Real-Time Linux, Microsoft Windows XP/XPE, Windows CE.net, Windows NTE, and DOS 6.22. A CompactFlash socket supports Type I/II CompactFlash Cards, which can be used to eliminate the use of fragile hard disks, increasing reliability in harsh environments. Two USB 1.1 ports are available as well as one parallel port (SPP/EPP/ECP modes), one high-speed RS-232 and one high-speed RS-232/485/422 serial port. With its industrial grade reliability, the PCM-3375 can operate continuously at temperatures up to 140° F (60° C) without a fan. The numerous features provide an ideal price/performance solution for high-end commercial and industrial applications where stability and reliability (no moving parts) are essential.

Specifications

SBC type:

EMAC Single Board Computers

Processor

Processor:

VIA Mark Fanless CPU

Clock Speed:

533 MHz

Real Time Clock:

Processor Misc.:

Chipset: VIA VT8606

Memory
Primary Flash:

1x CompactFlash™ card Type I

Memory Misc.:

Display

Up to 1280 x 1024 CRT, and 1024 x 1024 18-bit LCD

Primary I/O
Disk Interface:

1x FDD

1x EIDE (DMA 33)

Ethernet:

Intel 82551ER 10/100 Base-T Fast Ethernet

Serial Ports:

1x Parallel

1x RS-232

1x RS-232/422/485

Watchdog:

Primary I/O Misc.:

Infrared: 115 Kbps, IrDA 1.1 Compliant

Secondary I/O
LPT Port:

Keypad:

PS/2:

Analog on
A/D:

D/A:

Dimensions
Dimensions:

3.8 × 3.5 in

Weight:

0.097 kg

Form Factor:

PC/104

Power Requirements
Voltage:

5 V

Typical Current:

1.9 A

Max Boot Current:

2.06 A

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Pricing

PCM-3375F-1

PCM-3375 Mark 533 MHZ W/ LVDS

\$0.00

Parent Product:

Cables & Adapters:

CAB-40-001-1

USB 2 port cable w/ mounting bracket

\$11.00

CAB-20-001-1

44-pin to dual 40-pin EIDE Cable

\$20.00

Source URL: <https://www.emacinc.com/content/pcm-3375>