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PCM-9575



Embedded low power VIA 400 MHz to 1 GHz processor

Applied EBX form factor standard and supports PC/104+ bus

Fanless operation at 60° C (PCM-9575F-J & PCM-9575F-M only)

133MHz FSB and 4X AGP graphics for high performance applications

The new PCM-9575 is a new EBX form factor 5.25" single board computer (SBC) with an onboard new VIA Embedded low power Eden 667MHz, or Eden 400MHz processor. The VIA Eden processor uses advanced 0.13µ CMOS technology with 128KB L1 cache memory and 64KB L2 cache memory on-die. This board can operate without a fan at temperatures up to 60° C (140° F) and typically consumes under 14 Watts while supporting numerous peripherals. This SBC includes a 4X AGP controller, a PCI audio interface, a PCI Ethernet interface, and 2 channel LVDS interface. Its design is based on the EBX form factor that supports the PC/104+ interface for ISA/PCI module upgrades. Other on-board features include a PCI slot, an LPT, 2 USBs, IrDA and 4 serial ports: three RS-232s, and one RS-232/422/485. The SSD solution supports both DiskOnChip® 2000 and CompactFlashTM cards.This product uses a VIA TwisterTM chip with Integrated Savage4TM 2D/ 3D/Video Accelerator and supports 4X AGP VGA/LCD interface and up to 32 MB frame buffer using system memory. The board is effective for use as a mini-server or gateway device, through its ability to add more ethernet ports through its fast PC/104+ socket. This board combines well with the dual-ethernet PCM-3663 PC/104+ module, giving integrators network flexibilty. The PCM-9575's powerful, far loss processor choices and solid system chipset make it a perfect core technology for medical equipment and other long life applications. Specifications

EOI Ginalo Board Computers

Processor Processor.

Embedded VIA low power Ezra/Eden processor

Real Time Clock:

Processor Misc.: 2nd cache memory: 64KB on the Ezra/Eden processor

Memory BIOS/ Booloader: Award 256 KB Flash memory Primary Flash: one 1x 50-pin socket for CFC type I/II

Primary I/O Disk michaec. 2x FDD 4x EIDE Audio: VIA 82C686 AC97 2.0 (Line-in/Line-out/Mic-in) Ethernet: IEEE 802.3u 100Base-T Fast Ethernet RTL8139 USB: option 4x USB Serial Ports: 4x RS-232 Watchdog: Primary I/O Misc.: Parallel port: Parallel port supports SPP/EPP/ECP mode

Infrared port: Shared with COM4. Transfer rates up to 115Kbps

VGA/Flat-Panel Interface

Chipset: VIA TwisterTM chip with integrated Savage4TM 2D/3D/Video Accelerator

Frame buffer: Supports 8/16/32MB frame buffer with system memory

Interface: 4X AGP VGA/LCD interface, Support for 9, 12, 15, 18, 24, 36 bit TFT and optional 16- or 24-bit DSTN panel

Display mode:

- ° CRT Modes: 1280 x 1024@16bpp (60Hz), 1024 x 768@16bpp (85Hz)
- ° LCD/Simultaneous Modes: 1280 x 1024@16bpp (60Hz), 1024 x 768@16bpp (60Hz)

LVDS: Supports 2 Channel (2 x 18bit) LVDS interface

Ll Frondary I/O Keypad: PS/2:

Analog on A/レ. D/A:

Dimensions Dimensions. 8×5.75 in Weight: 0.85 kg Form Factor: Full EBX

Power Requirements Typical Current: 3.1 A Typical Voltage: 5 V Max Boot Current: 4.5 A

Environmental Low Operating Temperature: 0 C High Operating Temperature: 60 C

Pricing PCIVI-757-J Eden 400 MHz w/VGA, PC104+, SSD,& LAN \$0.00 Parent Product:

PCM-9575F-M Eden 667 MHz w/VGA, PC104+, SSD,& LAN \$0.00 Parent Product:

PCM-9575F-S C3 1 GHz w/VGA, PC104+, SSD,& LAN \$0.00 Parent Product:

Wiring Kits: PCM-10586-5A Installation Wiring Kit PCM-9577F \$39.00 Cables & Adapters: CAB-15-002-1 TV-OUT CABLE \$0.00

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