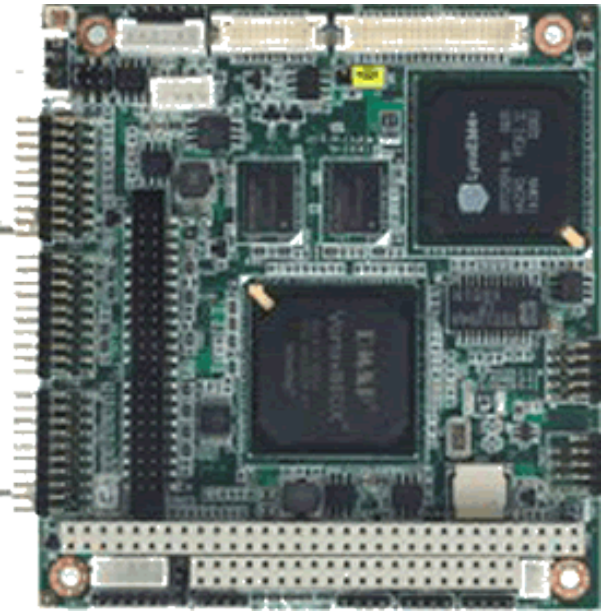
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PCM-3343



DM&P Vortex86DX 800 MHz, supports Floating Point Unit (FPU)

Supports 256MB on-board DDR2 SDRAM (Max 512 MB - optional with Minimum Order Quantity)

Supports 24-bit LVDS/TTL

Supports CRT+LCD dual independent display

10/100 Base-T Dual Ethernet

Supports Watchdog, GPIO, Brightness control and I2C

4 x USB Ports

4 x Serial Ports

Optional Extended Temperature

Compact Flash Socket

Supports PC/104 Interface

The PCM-3343 is a fanless, cost-effective, small size (96 x 90mm) PC/104 SBC (Single Board Computer) geared to satisfy the needs for various industrial computing equipment. PCM-3343 is ideal for data-acquisition, environment monitoring systems, Intelligent Vehicle management, factory automation, and medical applications that require basic X86 computing power for various low-power, and cost-effective embedded applications. PCM-3343 is designed with Vortex86DX System-On-Chip. The Vortex86DX is a high performance and fully static 32-bit X86 processor with the compatibility of Windows based, Linux and most popular 32-bit RTOS. It also integrates floating-point Unit, 32KB write through 4-way L1 cache, 4-way 256KB L2 cache, PCI rev. 2.1 32-bit bus interface at 33 MHz, DDR2, ROM controller, IPC (Internal Peripheral Controllers with DMA and interrupt timer/counter included), Fast Ethernet, FIFO UART, USB2.0 Host and IDE controller within a single 581-pin BGA package to form a system-on-achip (SOC). PCM-3343 offers convenient connector layout, easy assembly with right angle connectors, and multiple I/O including dual 10/100Mbps Ethernet, four USB (Universal Serial Bus) 2.0, VGA port, 24-bit LVDS and TTL outputs, four RS-232 serial ports (one of them can be configured to RS-422/485 serial port,) I2C

connector, 16-bit GPIO, and one PC/104 expansion slot. PCM-3343 supports DDR2 333 SRAM 256MB on board to endure high vibration environments. **Flash Disk and Memory not included.**

Specifications

SBC Type:
Single Board Computers < 1 GHz

Processor

Processor:
Embedded Vortex86DX
Clock Speed:
800 MHz
Real Time Clock:
Processor Misc.:
L2 Cache: 256 KB

Chipset:Vortex86DX

Memory

BIOS/ Bootloader:
Award integrated 16 Mbit ROM in SOC
Primary Flash:
1x CompactFlash™ card Type I/II

Primary I/O

GPIO:
1x 16 bit General Purpose I/O
Disk Interface:
1x IDE
Video Out:
SMI SM712 CRT/LCD 4 MB Internal
Ethernet:
2x 10/100 Mbps Etherent
USB:
4x USB 2.0
Serial Ports:
3x RS-232
1x RS-232/422/485
Watchdog:
Primary I/O Misc.:

Ethernet Interface

LAN1 Controller: Integrated Vortex86DX SOC 10/100 Mbps Ethernet

LAN2 Controller: Realtek RTL 8100CL 10/100 Mbps Ethernet

Secondary I/O

LPT Port:
Keypad:
PS/2:

Analog on

A/D:
D/A:

Dimensions

Dimensions:
3.5 × 3.8 in
Form Factor:

PC/104

Power Requirements

Voltage:

5 V

Power Misc.:

Optional Power: +12 V ± 5%

Environmental

Low Operating Temperature:

0 C

High Operating Temperature:

60 C

Environmental Misc.:

Optional Temperature: Wide -20 to 80 C / Industrial -40 to 85 C

Pricing

PCM-3343EF

800 MHz PC/104 SBC W/DUAL LAN/CF/256 RAM

$219.00

Order:

0

Parent Product:

PCM-3343F

1 GHZ PC/104 SBC W/DUAL LAN/CF/256 RAM (EOL)

$0.00

Parent Product:

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