PCM-4823

486 SBC with CPU, VGA/LCD, Ethernet and SSD

DX5-133 embedded microprocessor | SIMM up to 32 MB
FDD
Parallel port
PC/104 connector
LCD connector
EIDE interface
DiskOnChip®
RS-232/422/485
RS-232 | Ethernet | IR connector
PS/2 keyboard/mouse connector | CRT display connector

Features

- Compact with on board AMD DX5-133 or Intel® DX4-100 processor
- 10Base-T Ethernet
- 24-bit LCD interface
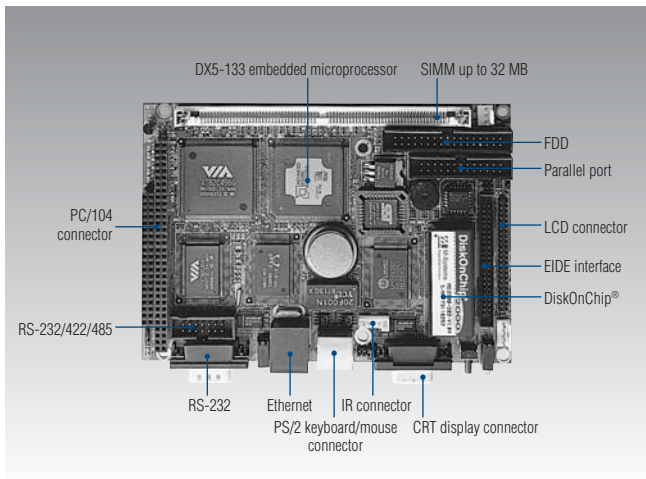
Specifications

- **CPU**   Onboard AMD DX5-133 processor (Rev. B1)
                        Onboard Intel® DX4-100 processor (Rev. C1)
- **System Memory**   EDO/FPM SIMM x 1, Max. 32 MB
- **System Chipset**   VIA 82C496G/82C416
- **BIOS**   AWARD 128 KB Flash BIOS
- **SSD**   Supports DiskOnChip®
- **Watchdog Timer**   Software enable/disable. 1.6 sec.
- **Expansion Interface** PC/104
- **Battery**   Lithium 3 V/ 195 mAH

I/O

- **MIO**   1 x EIDE , 1 x FDD, 1 x K/B, 1 x Mouse,
                        1 x RS-232/422/485, 1 x RS-232, 1 x LPT
- **IrDA**   115 kbps, IrDA 1.0 compliant
- **Audio**   N/A
- **USB**   N/A

Ethernet (PCM-4823)

- **Chipset**   RealTek 8019AS
- **Interface**   IEEE 802.3i 10 Base-T Ethernet compatible
                        Built-in boot ROM in Flash BIOS

Display

- **Chipset**   Asiliant (C&T) 65550
- **Memory Size**   1 MB
- **Resolution**   up to 1024 x 768 @ 8 bpp non-interlaced CRT and
                        1024 x 768 @ 8 bpp TFT LCD display
- **LCD Interface**   Up to 24-bit TTL for Mono/STN/TFT LCD

Mechanical and Environmental

- **Dimensions (L x W)**   145 x 102 mm (5.7" x 4")
- **Power supply Voltage** +5 V ± 5%,
                           Max.   : 3 A @ +5 V
                           Typical: 1.8 A @ +5 V (for DX5-133 w/ 32 MB DRAM)
- **Operating temperature** 0 ~ 60° C (32 ~ 140° F)
- **Operating Humidity**   0% ~ 90% Relative Humidity, noncondensing
- **Weight**   0.65 kg (weight of total package)

Packing List

- **1 PCM-4823 SBC**
- **1 Mini Jumper pack [count.: 10 pcs]**   (p/n: 9689000002)
- **1 Keyboard & mouse cable 6P-6P-6P**   (p/n:1700060202)
- **1 Cable for LPT port**   (p/n:1701260301)
- **1 COM2 cable**   (p/n:1701140202)
- **1 FDD cable**   (p/n:1701340700)
- **1 HDD cable**   (p/n:1701400501)
- **Startup manual**
- **Utility CD**

Ordering Information

Standard

- **PCM-4823-00C1**   486 SBC with DX4-100 CPU, VGA/LCD and Ethernet
- **PCM-4823L-00C1**   Same as PCM-4823-00C1, but without VGA/LCD
- **PCM-4823V-00C1**   Same as PCM-4823-00C1, but without Ethernet

Optional

- **MBPC-200-4823**   MicroBox 3.5" Biscuit SBC chassis for PCM-4823
- **MBPC-200-4823L**   MicroBox 3.5" Biscuit SBC chassis for PCM-4823L
- **PS-50A**   50 W AC power supply for MBPC-200
- **PS-25D**   25 W DC power supply for MBPC-200 with 486 SBC
- **1759203900**   CPU Fan DC 5 V, 35 x 35 x 6 mm (Alum)