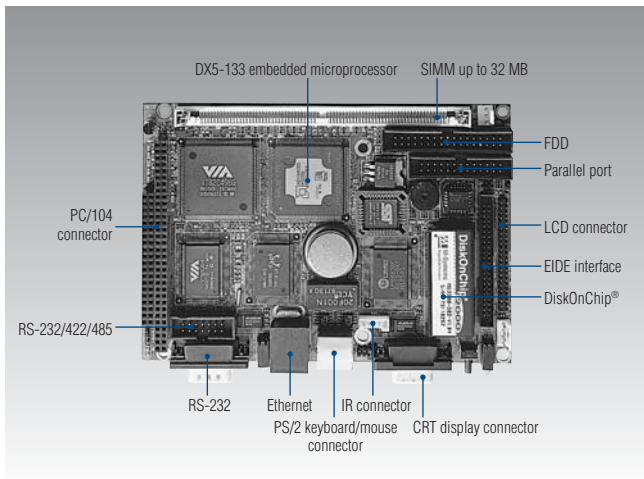


# PCM-1823

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

- 1 System on Module Solutions
- 2 Single Board Computers and Accessories
- 3 PC/104 Modules
- 4 Slot CPU Cards and Accessories
- 5 AIMB/POS Control Boards
- 6 Internet Security Platforms
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## 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-1823)

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

### Display

- **Chipset** Asilient (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

## Features

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

## 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-1823 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-1823-00C1** 486 SBC with DX4-100 CPU, VGA/LCD and Ethernet
- **PCM-1823L-00C1** Same as PCM-1823-00C1, but without VGA/LCD
- **PCM-1823V-00C1** Same as PCM-1823-00C1, but without Ethernet

### Optional

- **MBPC-200-1823** MicroBox 3.5" Biscuit SBC chassis for PCM-1823
- **MBPC-200-1823L** MicroBox 3.5" Biscuit SBC chassis for PCM-1823L
- **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)