PCM-4823

486 SBC with Processor, VGA/LCD, Ethernet and SSD
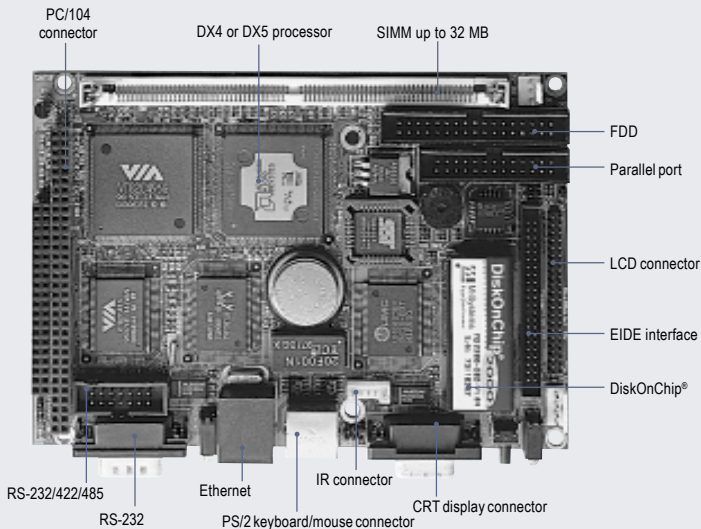
CE FCC Windows® Embedded

DX5 Ethernet SSD PC/104

PC/104 connector
DX4 or DX5 processor
SIMM up to 32 MB
FDD
Parallel port
LCD connector
EIDE interface
DiskOnChip®
RS-232/422/485
RS-232
Ethernet
PS/2 keyboard/mouse connector
IR connector
CRT display connector

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 mm x 102 mm (5.7" x 4")	
Power supply Voltage: +5 V ±5%	
Power Consumption:	
Max.:3 A @ +5 V	
Typical: 1.8 A @ +5 V (for DX5-133 w/ 32MB 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 [conts.: 10pcs]	9689000002
Keyboard & mouse cable 6P-6P-6P	1700060202
Cable for LPT port	1701260301
COM2 cable	1701140202
FDD cable	1701340700
HDD cable	1701400501
Start up manual	
Utility CD	

System

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, VIA 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, PCM-4823V only)

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 x768 @ 8 bpp TFT LCD display
LCD Interface	Up to 24-bit TTL for Mono/STN/TFT LCD

Ordering Information

Standard

PCM-4823-00B1	486 SBC with DX5-133 processor, VGA/ LCD and Ethernet
PCM-4823L-00B1	Same as PCM-4823-00B1, but without VGA/LCD
PCM-4823BCE-000	PCM-4823-00B1 with Windows® CE 3.0 on 16 MB DiskOnChip®
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)

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Biscuit SBCs and Accessories