

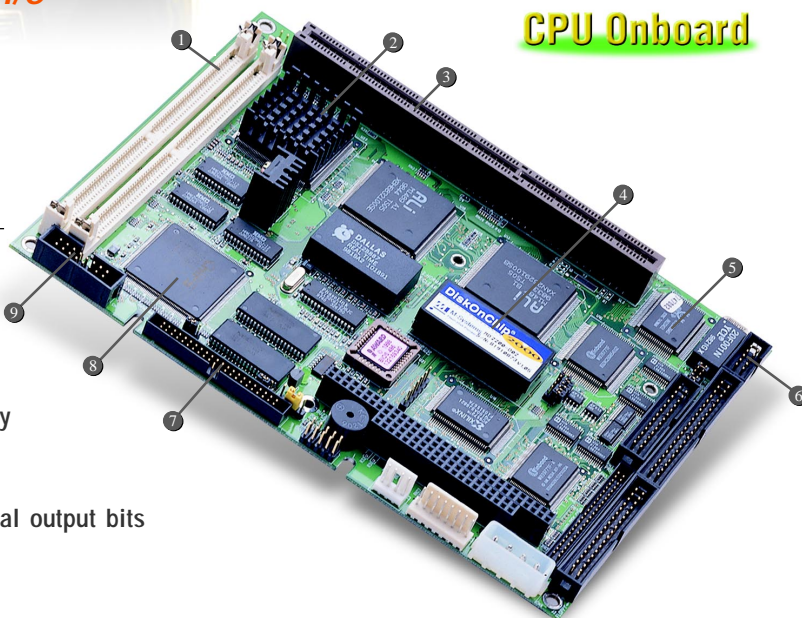
PCM-4894

486DX5-133 Compact Board

with LCD, Ethernet, 4 COMs, & 4 D I/O

CPU Onboard

- 1 SIMM Socket x 2 support up to 128 MB Memory
- 2 486DX5-133 CPU (SQFP)
- 3 PCI/ISA Slot
- 4 Socket for DiskOnChip®
- 5 10Base-T Ethernet Controller
- 6 10Base-T Ethernet Connector
- 7 Flat Panel Display Connector
- 8 C&T 65550 Flat Panel/CRT VGA Controller
- 9 CRT Connector



Features

- Onboard AMD 486DX5-133 CPU (SQFP)
- C&T 65550 LCD controller with 2MB EDO memory
- 10Base-T Ethernet
- Supports DiskOnChip® (SSD) up to 288MB
- 4 TTL digital input bits & 4 Open Collector digital output bits
- PC/104 expansion connector

Specifications

General Functions

CPU	AMD 486DX5-133 (5X86-P75) SQFP
CPU type	Onboard SQFP
BIOS	Award 128KB FLASH BIOS
Chipset	ALi 1487/1489
I/O Chipset	Winbond 83877TF
L2 Cache	Onboard 128KB L2 Cache. Could be upgraded to 512KB by factory
Memory	Onboard two 72-pin SIMM sockets support up to 128 Mbytes Fast Page or EDO DRAM
Enhanced IDE	Supports two IDE devices. Supports Bus Master mode with data transfer rate 33MB/sec.
FDD interface	Supports two floppy disk drives, 5.25" (360KB and 1.2MB) and/or 3.5" (720KB, 1.44MB, and 2.88MB)
Parallel port	One bi-directional parallel port. Supports SPP, ECP, and EPP modes
Serial port	Three RS-232 and one RS-232/422/485 serial port. Ports can be configured as COM1, COM2, COM3, COM4, or disabled individually. (16C550 equivalent)
KB/PS2 Mouse connector	8-pin connector supports PC/AT keyboard and PS/2 mouse
Real Time Clock	Dallas DS-12887A or equivalents, powered by lithium battery for data retention
Watchdog timer	Can generate a system reset, IRQ15, or NMI Software selectable time-out interval (2 sec. ~ 255 sec., 1 sec./step)
DMA	7 DMA channels (8237 equivalent)
Interrupt	15 interrupt levels (8259 equivalent)
Power management	I/O peripheral devices support power saving and doze/standby/suspend modes. APM 1.1 compliant

Flat Panel/CRT Interface

Chipset	C&T 65550
Display memory	Onboard 2MB EDO display memory
Display type	Supports non-interlaced CRT and LCD (TFT, DSTN, and MONO) displays. Can display both CRT and Flat Panel simultaneously
Resolution	UP to 1024 x 768 @ 64K colors (CRT/LCD simultaneous display)

Digital I/O Interface

4 TTL digital input bits & 4 Open Collector digital output bits

Ethernet Interface

Chipset	Realtek RTL8029AS PCI 10Base-T Ethernet controller
Ethernet interface	Onboard 10Base-T RJ-45 connector. Optional Remote Boot ROM function

SSD Interface

One 32-pin DIP socket supports M-Systems DiskOnChip® 2000 series up to 288MB

Expansion Interface

PC/104 connector	One 16-bit 104-pin connector onboard
PCI slot	One PCI/ISA slot onboard

Mechanical and Environmental

Power supply voltage	+5 V (4.75 V to 5.25 V), +12 V (11.4 V to 12.6 V)
Operating temperature	32 to 140° F (0 to 60° C)
Board size	8" (L) x 5.75" (W) (203 mm x 146 mm)
Weight	1.2 lb. (0.5 Kg)

* Please refer to our website for detailed power consumption informatio