

FORMOSA INDUSTRIAL COMPUTING

LMB- 486CH

ISA-bus 486
Half-size SBC
with CPU
On-Board

Features

- AMD 5x86-133 CPU on-board
- On-board 512KB Cache Memory
- Two 72-pin SIMM sockets up to 128MB
- Award BIOS, flash ROM
- DiskOnChip socket up to 72MB
- Compatible with DOS, Windows 3.X, Windows 95, and QNX
- Provide green PC power management function

Specifications

CPU

- AMD 5x86-133 on-board with heat sink, and fan

Data Bus

- 32 bit

Bus Interface

- ISA Bus + PC-104 connector

Chipset

- VIA VT82C496G, and VT82C416

System BIOS

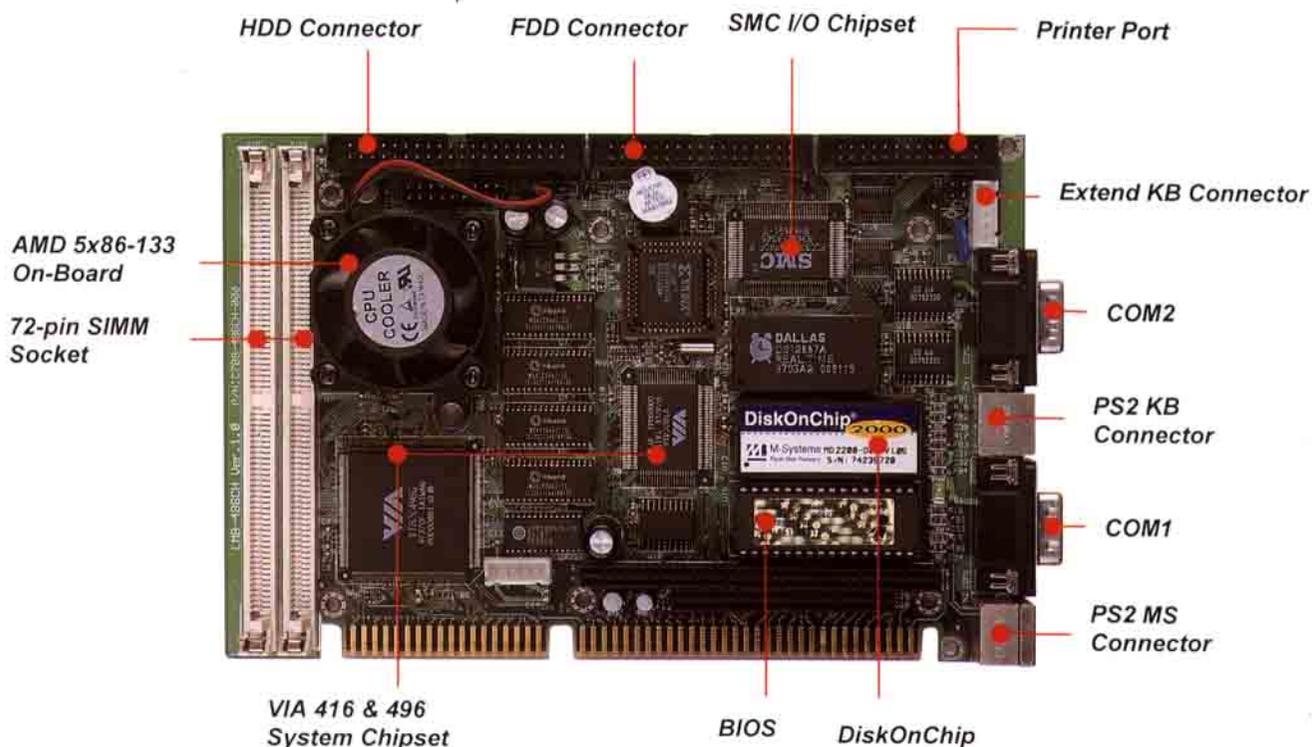
- Award BIOS, flash ROM

Cache Memory

- On-board 512KB Cache Memory

System Memory

- Two 72-pin SIMM sockets up to 128MB
- Support Fast Page Mode, and EDO DRAM



Web site: www.nfic.com.tw



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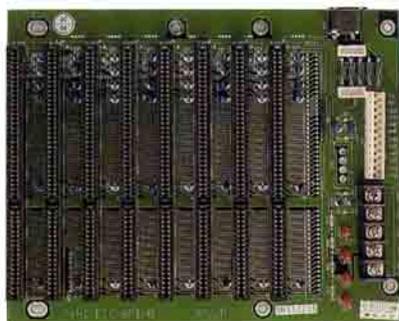
Passive Backplane

(Examples)



BPI-06

- ◆ 175mmx133mm (6.9"x5.2")



BPI-08

- ◆ 218mmx175.5mm (8.6"x6.9")



BPI-14

- ◆ 315mmx185.5mm (12.4"x7.3")

Solid State Disk (SSD)

- ◆ Support M-System's DiskOnChip® 2000 Flash disk, up to 72MB

RTC

- ◆ Dallas DS12887A

Floppy Disk Drive Interface

- ◆ One FDD Connector, support up to two 3.5" FDD (1.44MB and 2.88MB)

Hard Disk Drive Interface

- ◆ One EIDE/ATAPI connector, support up to two IDE devices

Serial Ports

- ◆ SMC 669 Super I/O Ports support 2 RS232C

Parallel Ports

- ◆ One ECP/EPP bi-directional parallel port

Watchdog Timer

- ◆ Software programmable 0-6.3sec watchdog timer

Power Supply Voltage

- ◆ +5V ($\pm 0.25V$)

Operating Temperature

- ◆ 0 to 60°C (32 to 140°F)

Storage Temperature

- ◆ -20 to 80°C (-4 to 176°F)

Dimension

- ◆ 185mm (L) x 122mm (W) (7.3" x 4.8")

Board Type

- ◆ One-sided SMT, 6-layer P.C.B

Bus Speed

- ◆ ISA: 8MHz

Bus Support

- ◆ 16-bit ISA bus

DMA Channels: 7

Mouse Connector

- ◆ PS/2 Type

Keyboard Connector

- ◆ PS/2 Type

Safety

- ◆ CE compliant

Green Function

- ◆ Support power management operation via BIOS, activated by keyboard or mouse

Ordering Information

- ◆ LMB-486CH: Half-size 486 ISA-bus CPU card
- ◆ Passive Backplane: BPI-03, BPI-04, BPI-06, BPI-07, BPI-08, BPI-14, BPI-20 (Optional)

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