

PC/104 CPU Module

MZ104: PC/104 Computer with ZFx86 Single Chip PC



SPECIFICATIONS

ZFx86, Embedded PC-on-a-Chip

- 32 bit CPU core with 33, 66, 100, & 133* Mhz operation
- Full Desktop AT compatibility
- Phoenix embedded PC BIOS
- SDRAM support, 8 to 64 Mb SO-DIMM

Fail-safe Boot ROM

- Total system recovery
- Recover easily from the corruption or loss of CPU boot data

Dual Watchdog Timer

- Programmable tickle sources



PC/104 Bus

- Compliant with standard PC/104 expansion bus with an IRQ and DMA channel subset

Serial Ports

- Two 16550-compatible serial ports, RS232

Parallel Ports

- One bi-directional AT-compatible printer port

USB Port

- One USB root hub interface

Drive Interfaces

- Supports up to two EIDE drives (master/slave)
- Floppy Disk Controller

Solid State Flash Memory Device

- Supports M-Systems DiskOnChip Millennium and DiskOnChip 2000 – 8~244 MB

Software Compatibility

- Phoenix embedded PC BIOS - 100% X86 compatible, DOS, MSDOS, DRDOS, LINUX, VxWorks, and most other PC compatible RTOS
- Windows™ 9x, and Windows NT™

Electrical Specifications

- Single 5VDC Operation

Mechanical/Environmental

- Size: 3.6" x 3.8" x 0.9"
- Operating temperature: 133Mhz → -20°C to +70°C
- 33Mhz, 66Mhz, 100Mhz → -40 to 85°C (Estimated)

ORDERING INFORMATION

Part #	Description
MZ104-1MB	PC/104 Computer with 1 Mb BIOS Flash
MZ104-4MB	PC/104 Computer with 4 Mb BIOS Flash
Options	
MZ104 KIT	MZ104 Starter Kit
CABLESET1-MZ104	Cables only solution - dual serial, parallel, dual floppy, dual IDE, Utility with keyboard
CABLESET2-MZ104	Cables (dual floppy, dual IDE, 3 interconnect cables) with Utility board
MEM-8MB-MZ	8Mb SDRAM SO-DIMM for MZ104 series
MEM-16MB-MZ	16Mb SDRAM SO-DIMM for MZ104 series
MEM-32MB-MZ	32Mb SDRAM SO-DIMM for MZ104 series
MEM-64MB-MZ	64Mb SDRAM SO-DIMM for MZ104 series

* 133Mhz is overclocking (additional cooling required)

Distributed by: Tri-M Systems Inc.

6-1301 Ketch Court, Coquitlam, BC, V3K 6X7, Canada

Email: info@tri-m.com, Web: www.tri-m.com

Tel: 604-527-1100, Toll Free: 800-665-5600, Fax: 604-527-1110

PC/104 CPU Module

MZ104: PC/104 Computer with ZFx86 Single Chip PC

Electrical Specifications

SPEED	MEMORY SIZE			
	8MB	16MB	32MB	64MB
33MHz	2.8W	2.7W	2.8W	2.9W
66MHz	3.1W	3.0W	3.1W	3.2W
100MHz	3.4W	3.3W	3.4W	3.4W
133MHz	3.6W	3.6W	3.6W	3.7W

MZ104 Starter Kit (Part # MZ104 KIT)

- ✓ MZ104, PC/104 Board with 1Mb BIOS Flash
- ✓ 32Mb SDRAM SODIMM Module
- ✓ cable kit for connecting to peripherals
- ✓ PC/104 Utility card GPS ready
- ✓ ISA104-IO, Bus extender, PC/104 to 3-slot ISA backplane
- ✓ M-Systems, 8 Megabyte DiskOnChip Millennium
- ✓ SMC, 16bit ISA Ethernet Card
- ✓ Trident, 16bit ISA SVGA card
- ✓ Floppy disk drive, 3.5"
- ✓ Power supply, standard desktop PC power supply, 230Watt
- ✓ PC Handbook
- ✓ MZ104 Technical Manual
- ✓ MZ104 Quick Start CD
- ✓ MZ104 Technical Support



Cableset 1



Cableset 2

