

MZ104

ZF X86

PC/104 CPU MODULE



Specifications

MachZ, Embedded PC-on-a-Chip

32-bit CPU core with 33 to 133 MHz operation
Full AT compatibility
Software: Full embedded PC BIOS and Linux image
SDRAM support, 8 to 256 Mb SO-DIMM
Floppy disk controller

Fail-safe Boot ROM

Total system recovery
Recover easily from 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

EIDE Hard Drive Interface

40-pin standard pin header
Supports up to two EIDE drives (master/slave)

Solid State Flash Memory Device

Supports M-Systems DiskOnChip Millennium and DiskOnChip 2000

Software Compatibility

Phoenix embedded PC BIOS included - 100% X86 compatible
DOS
Linux
Most PC compatible RTOSes (Wind River VxWorks RTOS with browser)
Windows™ 9x, and Windows NT™

Electrical Specifications

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

Mechanical/Environmental

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



MZ-104

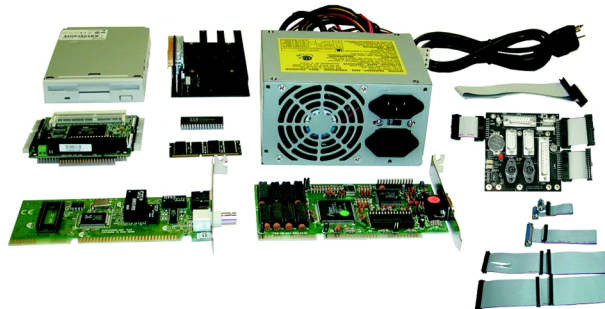
ZF X86 PC/104 CPU MODULE

Ordering information

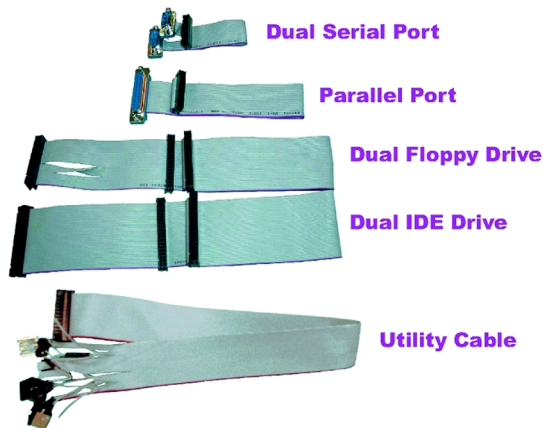
Part #	Description
MZ104	PC/104 Computer with 2 Serial, 1 Parallel, 1 USB
MZ104+	PC/104+ Computer with Dual Ethernet and above
Options	
MZ104 KIT	MZ104 Starter Kit
MZ104+ KIT	MZ104+ Starter Kit
CABLESET1-MZ104	Cables only solution - dual serial, parallel, dual floppy, dual IDE, Utility with keyboard
CABLESET2-MZ104	Cables (dual floppy, dual IDE, 3 interconnect cables) with Utility board
CABLESET2-MZ104+	Cableset for MZ104+ (cables + utility board)
MEM-8MB-MZ	8 MB SDRAM SO-DIMM for MZ104 series
MEM-16MB-MZ	16 MB SDRAM SO-DIMM for MZ104 series
MEM-32MB-MZ	32 MB SDRAM SO-DIMM for MZ104 series
MEM-64MB-MZ	64 MB SDRAM SO-DIMM for MZ104 series

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, 16-bit ISA Ethernet Card
- Trident, 16-bit ISA SVGA card
- Floppy disk drive, 3.5"
- Power supply, standard PC power supply, 230Watt
- PC Handbook
- MZ104 Technical Manual
- MZ104 Quick Start CD
- MZ104 Technical Support



Cableset 1



Cableset 2

