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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MZ104-1MB</td>
<td>PC/104 Computer with 1 Mb BIOS Flash</td>
</tr>
<tr>
<td>MZ104-4MB</td>
<td>PC/104 Computer with 4 Mb BIOS Flash</td>
</tr>
<tr>
<td>MZ104 KIT</td>
<td>MZ104 Starter Kit</td>
</tr>
<tr>
<td>CABLESET1-MZ104</td>
<td>Cables only solution - dual serial, parallel, dual floppy, dual IDE, Utility with keyboard</td>
</tr>
<tr>
<td>CABLESET2-MZ104</td>
<td>Cables (dual floppy, dual IDE, 3 interconnect cables) with Utility board</td>
</tr>
<tr>
<td>MEM-8MB-MZ</td>
<td>8Mb SDRAM SO-DIMM for MZ104 series</td>
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<tr>
<td>MEM-16MB-MZ</td>
<td>16Mb SDRAM SO-DIMM for MZ104 series</td>
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<tr>
<td>MEM-32MB-MZ</td>
<td>32Mb SDRAM SO-DIMM for MZ104 series</td>
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<tr>
<td>MEM-64MB-MZ</td>
<td>64Mb SDRAM SO-DIMM for MZ104 series</td>
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* 133Mhz is overclocking (additional cooling required)

Distributed by: Tri-M Systems Inc.
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Electrical Specifications

<table>
<thead>
<tr>
<th>SPEED</th>
<th>8MB</th>
<th>16MB</th>
<th>32MB</th>
<th>64MB</th>
</tr>
</thead>
<tbody>
<tr>
<td>33MHz</td>
<td>2.8W</td>
<td>2.7W</td>
<td>2.8W</td>
<td>2.9W</td>
</tr>
<tr>
<td>66MHz</td>
<td>3.1W</td>
<td>3.0W</td>
<td>3.1W</td>
<td>3.2W</td>
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<tr>
<td>100MHz</td>
<td>3.4W</td>
<td>3.3W</td>
<td>3.4W</td>
<td>3.4W</td>
</tr>
<tr>
<td>133MHz</td>
<td>3.6W</td>
<td>3.6W</td>
<td>3.6W</td>
<td>3.7W</td>
</tr>
</tbody>
</table>

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

Cablesset 1

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