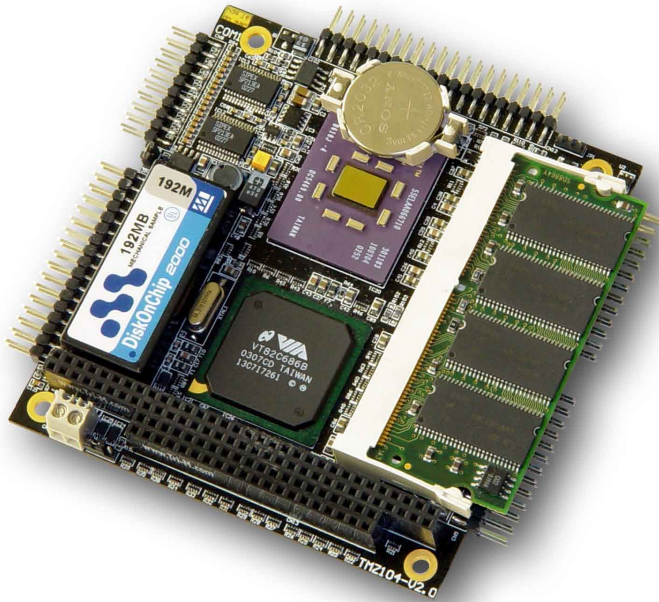


# TMZ104

PC/104 Computer w/ Transmeta Crusoe TM5500 CPU



## features

- Extremely low power fanless low cost x86 compatible through advanced "code morphing" software
- Dual watchdog timers and embedded BIOS
- Dual RS-232 serial, dual EIDE and floppy support, USB, parallel port, -PS2 keyboard and Mouse

## specifications

### Crusoe TM5500 CPU and North-Bridge

- VLIW processor running from 333 to 533MHz
- L1 of 64K instruction cache + 64K data cache
- 256K L2 write-back cache
- x86 code morphing software provides x86 compatible platform up to Pentium MMX2 emulation
- LongRun advanced power management with ultra-low power operation, 64 bit memory bus up to 133MHz
- SDRAM support for one SO-DIMM module for up to 256MB

### Dual Watchdog Timers

- Normal mode of 2.9s time-out
- Boot mode of 46.4s time-out

### PC/104 Bus

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

### Serial Ports

- Two 16550-compatible serial ports, RS-232

### Parallel Port

- One bi-directional AT-compatible printer port

### USB Port

- One USB root hub interface

### PS2 interface

- Keyboard and Mouse support

### Drive Interfaces

- Supports up to two EIDE drives up to 100MHz (master/slave)
- Floppy Disk Controller

### Solid State Flash Memory Device

- Supports M-Systems DiskOnChip 2000 and Millennium (8MB to 1GB)

### Software Compatibility

- 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
- 2.18W @ 533MHz

### Mechanical/Environmental

- Size: 3.6" x 3.8" x 0.9"
- Operating temperature: -40°C to 85°C (estimated)



## Ordering Information



this product is  
manufactured by:



Part Number	Description
TMZ104	PC/104 Computer with Transmeta Crusoe TM5500 CPU
<b>Options</b>	
TMZ104 KIT	TMZ104 Starter Kit
CABLESET1-TMZ104	Cables only solution - dual serial, parallel, dual floppy, dual IDE, Utility cable
CABLESET2-TMZ104	Cables (dual floppy, dual IDE, 3 interconnect cables) with Utility board
MEM-32+0-TMZ	16mb SDRAM SO-DIMM for TMZ Series
MEM-32+128-TMZ	144mb SDRAM SO-DIMM for TMZ Series
MEM-32+256-TMZ	272mb SDRAM SO-DIMM for TMZ Series

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