ZPC.1900

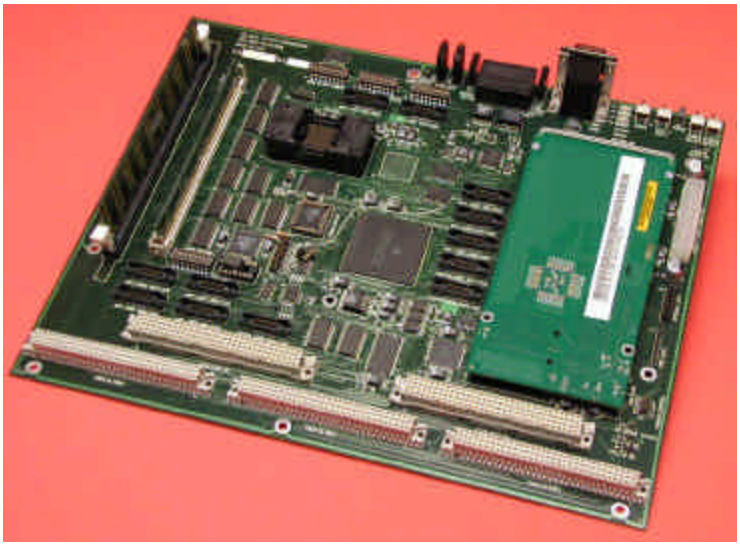
Security Processor Development Platform

Ideal Development Platform for MPC180, MPC184, MPC185 or MPC190 Security Processors

MPC8265 CPU (MPC8260 Compatible)

One 32-bit 33/66MHz PMC Slot

- MPC8265 CPU (PMC8260 compatible) with on-board MPC180 and MPC185 Security Processors
- 32-bit 33/66 MHz PMC slot for MPC184 and MPC190 Security Processor Modules
- On-board 2MB FLASH ROM with SIMM socket for expansion to 18MB
- DIMM socket for up to 128MB SDRAM
- On-board 8MB local-bus SDRAM (MPC8260 mode only)
- Separate 8KB EEPROM for boot configuration
- 8 software programmable LEDs and 8 software readable switches
- One each 10BaseT and 100BaseT Ethernet Ports
- JTAG COP CPU emulator connector
- Two RS-232C serial ports
- Motorola TCOM Board slot
- Three 96-pin DIN connectors for user expansion
- Mictor connectors for Logic Analyzer connection
- On-board ATX power supply control logic and standard ATX power connector
- Standard motherboard footprint fits standard ATX chassis



The **ZPC.1900** Security Processor Development Platform from Zephyr Engineering, Inc is a high-performance platform suitable for software development of security applications.

Complete Single Board Solution

The **ZPC.1900** Security Processor Development Platform has on-board MPC180 and MPC185 Security Processors. It also supports a 32-bit 33/66 MHz PMC card, so you can add either a **ZPCI.3900** MPC190 Security Processor Module or a **ZPCI.3901** MPC184 Security Processor Module.

ATX Form Factor Gives You System Flexibility

Standard ATX board configuration allows mounting in a variety of off-the-shelf cases from desktop to ruggedized rack-mount.

Plenty of On-Board Resources

With 64MB of 64-bit SDRAM DIMM (expandable to 128MB) , 2MB of FLASH (expandable to 18MB), two Ethernet ports (10BaseT and 100BaseT), two RS232 ports, JTAG COP connector for CPU emulator, and Mictor logic analyzer connectors you have all the resources you need to develop your applications.

Perfect for Software Developers

The **ZPC.1900** is your solution to long hardware lead times. Set up your software environment virtually overnight and start development immediately.

Visit us at WWW.ZPCI.COM

ZEPHYR ENGINEERING, INC. 1620 WEST FOUNTAINHEAD PKWY, SUITE 320, TEMPE, AZ 85282-1876 (480)736-8714

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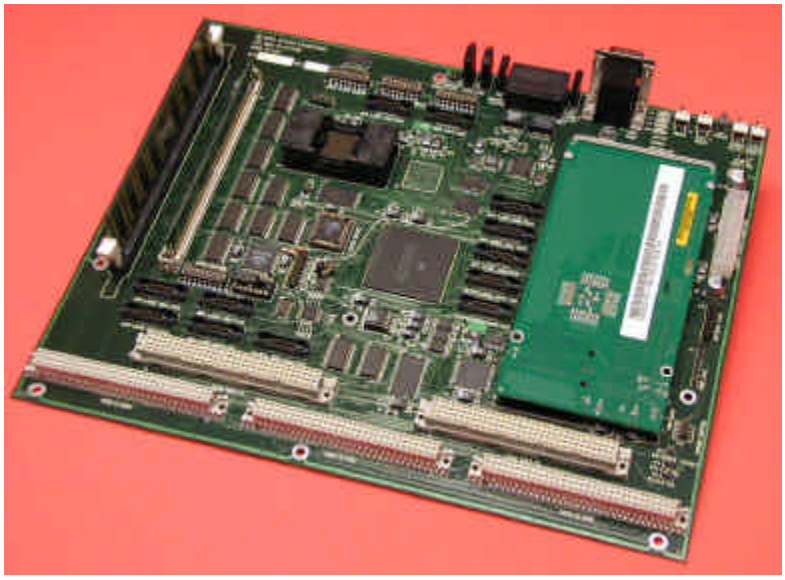
The **ZPC.1900** implements one IEEE1386.1 PMC card slot.



Compliance

IEEE P1386.1 PMC Draft Specification
PCI Local Bus Specification, R2.2

Specifications

IEEE P1386.1 32-bit PMC Interface

Bus Width: 32 bits
PCI clock: 66 or 33 MHz*
Signaling levels: 3.3V
Slot power: 2W maximum

Input Power Requirements (typical)

+3.3V: 1.45 A (base board only)
+5.0V: 100 mA (base board only)
+5.0V: 1.1 A (with 5V load enabled)
Uses Standard ATX power supply

Mechanical Dimensions

Standard ATX form factor:
9.6 in (243.8 mm) x 12.0 in (304.8 mm)

On-board Connectors

Three 96-pin DIN connectors for user I/O expansion
Two 128-pin DIN connectors for TCOM board
Two 64-pin connectors for the 32 bit PMC module
Twelve 38-pin Mictor connectors for logic analyzer
Two DB9P RS232-C serial port connectors
16-pin JTAG COP header for emulator
Three 10-pin JTAG headers
8-pin PMC JTAG header
2-pin headers for reset
20-pin ATX power connector
SDRAM DIMM connector
FLASH SIMM socket
20-pin header for GP user logic

Warranty

One year limited warranty.

Ordering Information

Order number
ZPC.1900 Security Processor Development Platform

* Automatic 66/33 MHz detection of PMC PCI bus speed per PCI specification rev 2.2

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