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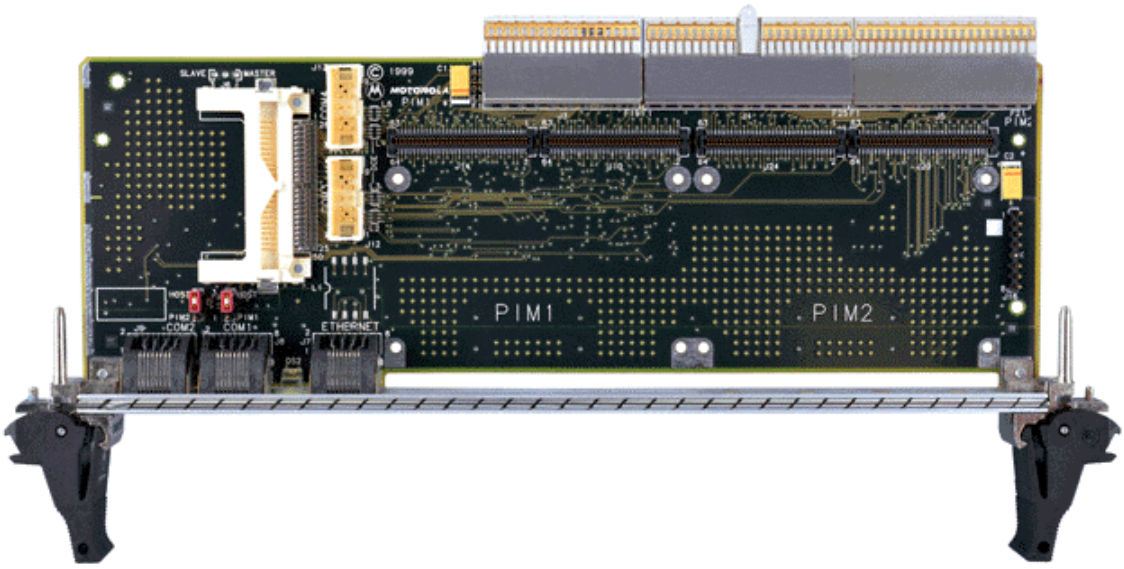
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MOTOROLA COMPUTER GROUP

Board Level Products

TM-PIMC-0001
TRANSITION MODULE/PIM CARRIER



Advantages

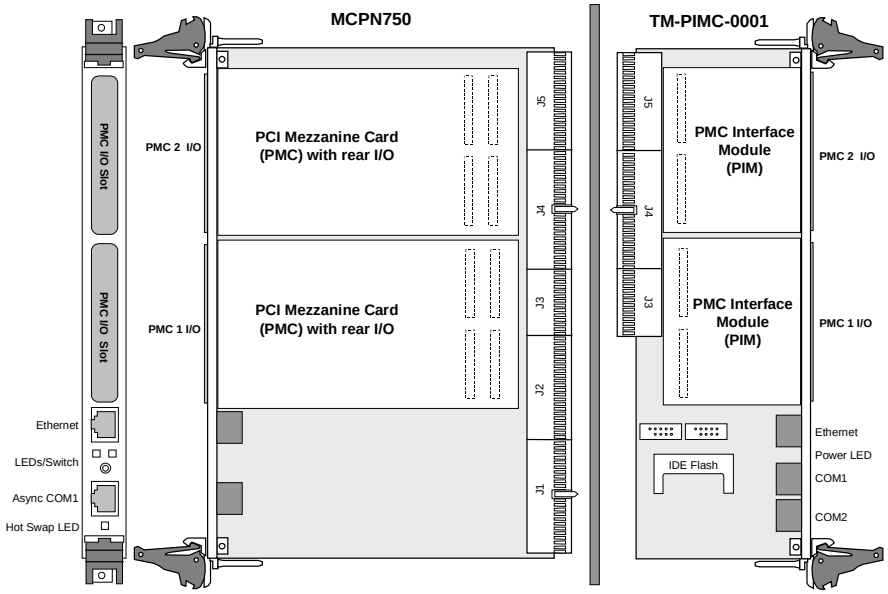
The TM-PIMC-0001 transition module provides rear I/O for the MCPN750 series of CompactPCI single-board computers, supplying four COM ports and one 10/100BaseTx Ethernet port. It is also equipped with a CompactFlash™ socket for user-supplied IDE flash modules.

This transition module also functions as a PMC Interface Module (PIM) carrier, supporting the flexible PIM scheme for PMC rear I/O. Two PIM sites are provided that interface with each of the PMC sites on the MCPN750. The TM-PIMC-0001 module is 6U high, 80mm deep, and IEEE 1101.11 compliant. It is also hot-swappable when used with the MCPN750.

Visit our website for additional details about PIM.

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CompactPCI Backplane

Specifications

TM-PIMC Transition Module/PIM Carrier

Dimensions

Height:	233.4 mm (9.2 in.)
Depth:	80.0 mm (3.1 in.)
Front Panel Height:	261.8 mm (10.3 in.)
Width:	19.8 mm (0.8 in.)

PIM Card Slot

Power:	+3.3V, +5V, +12V, –12V
Module Types:	Two single-wide or one double-wide

I/O Connectors

Asynchronous Serial Ports:	Two RJ-45 labeled as COM1 and COM2; Two 10-pin headers as COM3 and COM4
Ethernet:	One RJ-45
IDE Flash:	One standard 50-pin CompactFlash socket

Note: Jn0 PIM connectors incorporate other MCPN750 I/O for future host interface modules.

Hot Swap

Can be removed from active system after MCPN750 is removed.

Power LED on front panel indicates power status on MCPN750 and transition module.

Power Requirements

Not including CompactFlash or PIMs

+5V: 200 mA typical, 400 mA maximum

+3.3V, +12V and –12V are not used by the transition module, but may be used by PIMs.

Year 2000 Readiness

This product is year 2000 ready as defined by Motorola Computer Group. For additional information, reference http://www.mcg.mot.com/year2000.

Warranty

Five-year return-to-factory warranty

Environmental

(verification pending)

	Operating	Storage/Transit
Temperature:	0°C to +55°C forced air cooling	–40° C to +65° C
Humidity (NC):	10% to 80%	10% to 90%
Altitude:	5,000 m	15,000 m
Vibration:	2 G RMS, 20–2000 Hz random	8 G RMS, 20–2000 Hz random

Safety

All printed wiring boards (PWBs) are manufactured with a flammability rating of 94V-0 by UL recognized manufacturers.

Electromagnetic Compatibility (EMC)

Intended for use in systems meeting the following regulations:

U.S.: FCC Part 15, Subpart B, Class A (non-residential)

Canada: ICES-003, Class A (non-residential)

Motorola products are tested in a representative system to the following standards (verification pending):

CE Mark per European EMC Directive 89/336/EEC with Amendments; Emissions: EN55022 Class B; Immunity: EN50082-1

Demonstrated MTBF

(based on sample testing in accelerated stress environment)

Mean/95% Confidence: Target 100,000 hours, verification pending

Ordering Information

Part Number	Description
TM-PIMC-0001	MCPN750 transition module/PIM carrier: RJ-45 Ethernet connector, two RJ-45 async serial port connectors, two headers for async serial ports, one CompactFlash socket, two PIM slots
Related Product	
MCPN750-*xxxx*	CompactPCI non-system slot CPU module
PIM-0100	PIM E1 interface card for MPMC860

For more information, visit our World Wide Web site at **http://www.mcg.mot.com**
To call us dial **1-800-759-1107** in the U.S. and **512-434-1526** outside the U.S.
Corporate headquarters address: Motorola Computer Group, 2900 S. Diablo Way, Tempe, AZ 85282

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