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MOTOROLA COMPUTER GROUP

OEM Systems Products

CPX2208
CompactPCI Enclosure With Rear I/O



Advantages

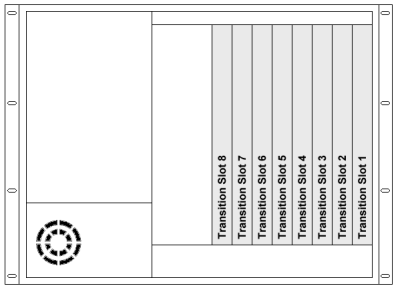
The CPX2208 is a versatile, entry-level IEEE 1101.10 compliant 8-slot CompactPCI® chassis that can be rack or panel mounted or used on the lab bench. The rugged steel enclosure supports front or rear (IEEE 1101.11 compliant) I/O and features a front accessible hot swap fan tray. Three 5.25" peripheral bays are front accessible and protected from accidental misuse by a quick-release, hinged door. The CPX2208 is hot swap enabled, designed to the upcoming PICMG® hot swap specification and ready to support hot swap adapter boards when they are available.

Cost effective. Reliable. Maintainable. The CPX2208 is ideal for low-end to mid-range applications in the industrial automation, datacom and telecom markets.

MOTOROLA

CPX2208 CompactPCI Rackmount Enclosure

Low cost and maintainable, the CPX2208 features a recessed card cage accommodating eight 6U CompactPCI boards housed vertically; one slot is reserved as the system (CPU) slot. Eight IEEE 1101.11 compliant rear transition module slots are provided (one per CompactPCI board position). Three 5.25" x 1.63" peripheral bays allow easy front access to peripheral devices. The auto-sensing 93 to 265 VAC, 400 watt power supply provides up to 30 A at +5V, 28 A at +3.3V, 14 A at +12V, and 1 A at –12V.



CPX2208 Rear I/O Slots

Specifications

Dimensions

Height:	14 in. (8U, 355.6 mm)
Width:	17.3 in (439.4 mm)
Depth:	14.4 in. (365.8 mm)
Weight:	Approximately 40 lb. (18 kg) w/o cards or peripherals

Construction

All steel body

Recessed card cage

Off-white (PMS 427 C) finish

RETMA standard rackmount (front or mid chassis)

Backplane

Conforms to PCI 2.1 and PICMG CompactPCI Revision 2.0 specifications; also designed to support the upcoming PICMG hot swap specification

Supports 32- and 64-bit PCI architectures

Seven 6U x 4HP adapter card slots, one 6U x 16HP system CPU slot

Peripheral Bays

Three front accessible 5.25" drive bays; 3.5" devices accommodated with standard adapter panels; hot swap via drive carriers

Fault Management or Supervisory

Controls: Front ON/OFF power switch behind door

Warranty

Five-year limited warranty

Power Supply Subsystem

Output:	400 watt @ 50° C
+5V	24–30 A
+3.3V	20–28 A
+12V	14.0 A
–12V	1.0 A
Input Voltage:	90 to 264 VAC (auto-sensing), 48 to 63 Hz fuse protected 16 ms hold time for 5V at normal input voltage

Thermal Management

Bottom-to-top, positive pressure, forced air cooling using two 12 VDC brushless, ball-bearing fans with removable tray providing 100 CFM total

Front air inlet, rear air exhaust

Removable, washable, foam filter (30 ppi filtration)

Power supply exhaust fan

Environmental

	Operating	Storage/Transit
Temperature:	0° C to +50° C	–20° C to +70° C
Humidity (NC):	5% to 95% @ 40° C	0% to 95% @ 40° C
Altitude:	6,000 ft. (1,829 m)	50,000 ft. (15,240 m)
Shock:	—	per ASTM 0775
Vibration:	1.0 G @ 10 to 330 Hz	1.2 Gs @ 5 to 330 Hz

Static Discharge: IEC 801-2

Acoustic Noise: < 54 dBA (peripherals idle, at 1 meter)

Demonstrated MTBF

(based on sample testing in accelerated stress environment)

Minimum 75,000 hours

Regulatory Conformance

Meets or exceeds the following:

Safety:	CSA C/NRTL, VDE EN60950, CE Mark per European Low Voltage Directive 72/23/EEC
EMC:	U.S.: FCC Part 15, Subpart B, Class A Canada: ICES-003, Class A Europe: CE Mark per European EMC Directive 89/336/EEC with Amendments; Emissions: EN55022 Class B; Immunity: EN50082-1

Ordering Information

Part Number	Description
CPX2208	Chassis with backplane and 400 watt PS/2® style power supply (for system configurations)
CPX2208-K	Chassis with backplane and 400 watt PS/2 style power supply (for use as a spare)
CPXFP-K	4HP (single CompactPCI slot) front or rear blank panel
SBCs available for use in the CPX2208	
MCP750-1232-F	233 MHz MCP750 w/ 32MB ECC DRAM, 5MB Flash, 1MB L2 cache
MCP750-1242-F	233 MHz MCP750 w/ 64MB ECC DRAM, 5MB Flash, 1MB L2 cache
MCP750-1252-F	233 MHz MCP750 w/ 128MB ECC DRAM, 5MB Flash, 1MB L2 cache
MCP750-1262-F	233 MHz MCP750 w/ 256MB ECC DRAM, 5MB Flash, 1MB L2 cache

For additional options including peripherals and I/O modules, contact your local Motorola representive.

Note: The single-board computer module and drives pictured in the photo are not included with the CPX2208 enclosure, but are available separately.

For more information, visit our World Wide Web site at **http://www.mcg.mot.com**
For fax-back service dial **1-800-682-6128** in the U.S. and **602-438-4636** outside of the U.S.
To call us dial **1-800-759-1107** in the U.S. and **512-434-1526** outside of the U.S.
Corporate headquarters address: Motorola Computer Group, 2900 S. Diablo Way, Tempe, AZ 85282

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