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Data Sheet

August 15, 2026

EMERSON / MOTOROLA

Emerson / Motorola CPX2408 8-Slot CompactPCI Chassis

Emerson Motorola CPX2408 8-Slot CompactPCI Chassis The Motorola/Emerson CPX2408 is an IEEE 1101.10-compliant 8-slot 6U CompactPCI chassis. OEM CPX2000 series literature lists front and rear (IEEE 1101.11) I/O, a front-accessible hot-swap fan tray, single or dual n+1 redundant 400 W AC or DC supplies, 19-inch or 23-inch rack plus wall or benchtop mounting, one CPU site up to 16 HP wide and seven 4 HP I/O slots, and five front-accessible peripheral bays. PICMG hot-swap backplane; CPX2408T adds H.110 on J4 of the seven peripheral slots. The Motorola/Emerson CPX2408 is an IEEE 1101.10-compliant 8-slot 6U CompactPCI chassis. OEM CPX2000 series literature lists front and rear (IEEE 1101.11) I/O, a front-accessible hot-swap fan tray, single or dual n+1 redundant 400 W AC or DC supplies, 19-inch or 23-inch rack plus wall or benchtop mounting, one CPU site up to 16 HP wide and seven 4 HP I/O slots, and five front-accessible peripheral bays. PICMG hot-swap backplane; CPX2408T adds H.110 on J4 of the seven peripheral slots. Industrial, datacom, and telecom CompactPCI systems needing rear transition modules and redundant power.



MODEL

**Emerson /
Motorola CPX2408**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CPX2408

LISTING

<https://aumictechlabs.com/products/cpx2408-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Motorola CPX2408 is an 8-slot 6U CompactPCI chassis with industrial computing applications requiring flexible card configurations and field serviceability. This rack-mountable platform accommodates CPU modules up to 16HP wide and seven 4HP I/O slots, supporting both 33 MHz and 66 MHz operation with PICMG 2.16 or PICMG 2.0 R3.0 compliance. The chassis features five front-accessible 5.25-inch peripheral bays for drive integration, rear Transition Module support, and integrated cooling for sustained performance in demanding environments.

Technical Specifications

Chassis Configuration 8-slot 6U CompactPCI backplane 19-inch or 23-inch rack-mountable; benchtop and wall-mount capable CPU module support: up to four slots (16HP) wide I/O slot support: seven slots (4HP) wide Peripheral bays: five 5.25-inch bays for front-panel drive access

Bus Performance CompactPCI (cPCI) bus with PICMG specification compliance 33 MHz operation: up to 132 MBytes/sec (32-bit), 264 MBytes/sec (64-bit) 66 MHz operation: up to 264 MBytes/sec (32-bit), 512 MBytes/sec (64-bit); limitations on slot count (typically up to 5 slots)

Electrical Configuration I/O voltage: configurable to +3.3 V or +5 V Factory default: +5 V Hot-swappable power supply modules

Physical Design 6U height (262 mm / 10.3 inches typical) Aluminum enclosure Eight card slots with front-panel access

Key Features Hot-swap capability for field replacement without system downtime Rear Transition Module (RTM) support for extended I/O options Integrated cooling system for sustained industrial operation Multiple mounting options: standard rack, benchtop, or wall installation

Compatibility & Integration The CPX2408 supports standard CompactPCI cards and modules across its eight slots. PICMG 2.16 and PICMG 2.0 R3.0 compliance ensures interoperability with industry-standard CompactPCI peripherals and CPU options. The configurable voltage levels and flexible slot allocation accommodate diverse embedded and real-time computing workloads.

CPX2408 Characteristics / Specifications

PARAMETER	VALUE
Model	CPX2408
Instrument Type	8-slot CompactPCI chassis
Slot Count	8 vertical 6U slots
Cpu Width	CPU module up to four slots (16 HP)
Io Slots	seven peripheral I/O slots at 4 HP
Front Standard	IEEE 1101.10
Rear Standard	IEEE 1101.11 rear transition modules
Hot Swap Fan	front-accessible hot-swap fan tray
Power Options	single or dual n+1 redundant 400 W AC or DC
Mounting	19 inch or 23 inch rack, wall, or benchtop
Peripheral Bays	five front-accessible bays, up to three hard disk drives
Backplane	CompactPCI with PICMG hot-swap support
Telephony Option	CPX2408T H.110 bus on J4 of seven non-system slots
Enclosure	rugged steel
Manufacturer	Motorola Computer Group / Emerson
Family	CPX2000 series (CPX2108 CPX2208 CPX2408)
Ac Variant	CPX2408AC redundant 400 W AC
Dc Variant	CPX2408DC redundant 400 W DC
Documentation	Motorola CompactPCI CPX2000 System Guide / CPX2408 product data
Application Class	low-end to mid-range industrial automation, datacom, telecom
Hot Swap Boards	ready to support PICMG hot-swap adapter boards
Access	eight slots through the front panel
Related Front Only	CPX2108 is front I/O only without IEEE 1101.11
Drive Door	optional quick-release hinged door over peripheral bays

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Motorola CPX2000 series system literature and Electronic Design CPX2408 product brief (8-slot, 400 W n+1, IEEE 1101.10/11). Confirm AC vs DC and H.110 (T) on the installed chassis label.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.