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Data Sheet

August 15, 2026

DYNAMIC ENGINEERING

Dynamic Engineering cPCI2PMC cPCI to PMC Adapter/Carrier Converter Card

Dynamic Engineering cPCI2PMC CompactPCI to PMC Adapter Carrier The cPCI2PMC converts a 3U CompactPCI slot into a PMC site. OEM Dynamic Engineering cPCI2PMC literature describes a cPCI-to-PMC adapter/carrier so a standard PMC (IEEE 1386.1) can be used in a CompactPCI chassis. PCI 32/64-bit and 33/66 MHz overlays, plus 3.3 V / plus 5 V PMC power, and J1/J2/Jn I/O routing are on the cPCI2PMC data sheet. Used to host PMC Ethernet, serial, FPGA, and timing modules in 3U cPCI systems. 3U CompactPCI chassis needing a single PMC site without a native PMC carrier CPU. The cPCI2PMC converts a 3U CompactPCI slot into a PMC site. OEM Dynamic Engineering cPCI2PMC literature describes a cPCI-to-PMC adapter/carrier so a standard PMC (IEEE 1386.1) can be used in a CompactPCI chassis. PCI 32/64-bit and 33/66 MHz overlays, plus 3.3 V / plus 5 V PMC power, and J1/J2/Jn I/O routing are on the cPCI2PMC data sheet. Used to host PMC Ethernet, serial, FPGA, and timing modules in 3U cPCI systems. 3U CompactPCI chassis needing a single PMC site without a native PMC carrier CPU. Instrument Type: CompactPCI to PMC adapter/carrier



MODEL

Dynamic Engineering cPCI2PMC

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

cPCI2PMC

LISTING

<https://aumictechlabs.com/products/cpci2pmc-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Dynamic Engineering cPCI2PMC is a 3U carrier card that bridges CompactPCI (cPCI) and PMC (PCI Mezzanine Card) form factors, enabling single PMC module integration into cPCI systems. This passive adapter design introduces zero added latency while delivering optimized electrical and thermal performance for mounted PMC modules. The card supports both front bezel and rear Pn4/J2 I/O configurations, making it ideal for expanding cPCI system capabilities without compromising signal integrity or bus performance. Technical Specifications Form Factor: 3U PCB, fits 3U/6U 4HP cPCI slots PCI Bus Operation: 32/64-bit at 33/66 MHz (PMC must be 66 MHz capable for operation at this speed) Interface: Passive design with zero added latency; zero-delay buffer for PCI clock distribution Power Delivery: - +5VDC @ 12A - +3.3VDC @ 12A (onboard 1500mA regulator selectable via jumper, or PCI 3.3V supply) - +12VDC @ 1A - -12VDC @ 1A VIO @ 4A Signal Integrity: Series resistors and clamping diodes; manually routed traces with impedance, length, and width optimization Operating Temperature: -40°C to +85°C (extended/industrial range) Thermal Management: Component-side cutouts for enhanced airflow; optional zero-slot fan compatible PCB Construction: Manually placed and routed traces, tear-drop connections at press-fit connectors, gold plating, 94-V0 high-temperature ROHS-compliant materials Key Features Voltage status and PMC recognition LEDs for implementation diagnostics Universal voltage keying supports 3.3V and 5V PMC modules (when matched to cPCI system voltage) Heavy power planes for improved thermal characteristics Optional Slot 0 configuration with system-level housekeeping: terminations, arbitration, clock generation, interrupt routing, reset User-configurable M66EN override for 66 MHz operation Supports cPCI INTA, B, C interrupts Compatibility & Integration Fits standard 3U/6U 4HP cPCI slots and accepts IEEE 1386 PMC modules. Front and rear I/O connectivity accommodates diverse system architectures. Optional Slot 0 build and M66EN control allow customization for specific cPCI environments.

CPCI2PMC Characteristics / Specifications

PARAMETER	VALUE
Model	cPCI2PMC
Instrument Type	CompactPCI to PMC adapter/carrier
Family	Dynamic Engineering PMC/cPCI adapters
Host Bus	3U CompactPCI
Mezzanine	one PMC site IEEE 1386.1
Pci Width Class	32/64-bit PCI (data sheet overlay)
Pci Speed Class	33/66 MHz (data sheet overlay)
Pmc Power	plus 3.3 V and plus 5 V PMC rails from cPCI
Manufacturer	Dynamic Engineering
Literature	Dynamic Engineering cPCI2PMC cPCI to PMC adapter literature
System Role	PMC host in a 3U CompactPCI slot
Related Pci3ip	PCI3IP three-slot IP carrier sibling
Form Factor	3U CompactPCI adapter
Io Routing	PMC Jn to cPCI rear I/O per sheet
Compliance Class	PICMG 2.0 CompactPCI plus IEEE 1386.1 PMC
Interrupt Class	PMC INTA-D to cPCI interrupts
Operating Temperature Class	commercial/industrial on the sheet
Module Class	cPCI-PMC carrier
Brand Lineage	Dynamic Engineering
Documentation Type	cPCI2PMC listing
Ate Class	mezzanine adapter
Host Class	3U CompactPCI chassis
Year Class	cPCI2PMC
Connector Class	cPCI J1/J2 plus PMC connectors
Use Case	PMC Ethernet/serial/FPGA in cPCI

PARAMETER	VALUE
Keying Class	cPCI keying per PICMG
Operating temperature	Class: commercial/industrial on the sheet

CPCI2PMC Specifications

PARAMETER	VALUE
Applications	3U CompactPCI chassis needing a single PMC site without a native PMC carrier CPU.
CompactPCI to PMC adapter/carrier	IEEE 1386.1 PMC site in 3U cPCI
Technical Specifications	Model: cPCI2PMC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial/industrial on the sheet
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Module Class	cPCI-PMC carrier
Brand Lineage	Dynamic Engineering
Documentation Type	cPCI2PMC listing
Ate Class	mezzanine adapter
Host Class	3U CompactPCI chassis
Year Class	cPCI2PMC
Connector Class	cPCI J1/J2 plus PMC connectors
Use Case	PMC Ethernet/serial/FPGA in cPCI
Keying Class	cPCI keying per PICMG Notes From Dynamic Engineering cPCI2PMC listings (3U cPCI to one PMC). 64-bit/66 MHz and rear-I/O maps are on the cPCI2PMC data sheet; do not invent lane counts.

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 Dynamic Engineering cPCI2PMC listings (3U cPCI to one PMC). 64-bit/66 MHz and rear-I/O maps are on the cPCI2PMC data sheet; do not invent lane counts.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.