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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS

Abaco Systems / SBS CPMC1 PMC Carrier Card for 3U CompactPCI

Abaco SBS CPMC1 3U CompactPCI PMC Carrier The Abaco/SBS CPMC1 is a 3U CompactPCI carrier for one PMC. OEM CPMC1 data list one PMC site, 64-bit 66 MHz PCI up to 512 MB/s, front and rear I/O, air or optional conduction cooling, and minus 40 C to plus 85 C operation. Installing a single PMC in a 3U CompactPCI slot in embedded and military systems. Cooling: air cooled; optional conduction cooled The Abaco/SBS CPMC1 is a 3U CompactPCI carrier for one PMC. OEM CPMC1 data list one PMC site, 64-bit 66 MHz PCI up to 512 MB/s, front and rear I/O, air or optional conduction cooling, and minus 40 C to plus 85 C operation. Installing a single PMC in a 3U CompactPCI slot in embedded and military systems. Cooling: air cooled; optional conduction cooled Operating Temperature: minus 40 C to plus 85 C



MODEL

**Abaco Systems /
SBS CPMC1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CPMC1

LISTING

[https://aumictechlabs.c
om/products/cpmc1-2/](https://aumictechlabs.com/products/cpmc1-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Abaco Systems CPMC1 is a 3U CompactPCI PMC carrier card that integrates a single PCI Mezzanine Card into CompactPCI systems. This mechanical adapter bridges PMC modules to 3U CompactPCI slots, enabling modular I/O expansion with support for both front and rear panel connections. Technical Specifications Form Factor: 3U CompactPCI PMC Sites: 1 Data Path: 64-bit Operating Frequency: 66 MHz Maximum Bandwidth: 512 MB/s Operating Temperature Range:

-40°C to +85°C Cooling Options: Air cooling, Conduction coolingKey Features PICMG 2.0-compliant CompactPCI interface with bus mastering support IEEE 1386.1 standard PMC interface Flexible I/O architecture accommodating both front and rear panel I/O configurations Dual cooling pathways for thermal management in constrained or environments Extended temperature operating range suitable for harsh industrial deploymentsTypical Applications The CPMC1 serves embedded and rugged computing systems where PMC-based functionality must be deployed within existing CompactPCI backplanes. Common use cases include data acquisition, signal processing, and I/O expansion in defense, aerospace, and industrial automation platforms.Compatibility & Integration The card accepts standard PMC mezzanine modules compliant with IEEE 1386.1 and interfaces directly into 3U CompactPCI systems via a PICMG 2.0-compliant slot. Bus mastering capability enables direct PMC-to-memory transfers without host CPU intervention. The single-slot footprint preserves backplane real estate while maintaining full 64-bit, 66 MHz data connectivity.

CPMC1 Characteristics / Specifications

PARAMETER	VALUE
Model	CPMC1
Instrument Type	PMC carrier card
Form Factor	3U CompactPCI
Pmc Sites	1
Pci Width	64-bit
Pci Clock	66 MHz
Throughput	up to 512 MB/s
Front Io	yes
Rear Io	yes
Cooling	air cooled; optional conduction cooled
Operating Temperature	minus 40 C to plus 85 C
Manufacturer	Abaco SBS
Mechanical Package	3U cPCI carrier
Documentation	Abaco CPMC1 carrier card data
Application Class	embedded PMC I/O in 3U cPCI
Bus	CompactPCI to PMC PCI
Duty	continuous embedded I/O
Related Host	3U CompactPCI backplane
Pmc Standard	IEEE 1386.1 PMC
Power	from cPCI backplane
Grounding	chassis ground
Pmc Count	one PMC module

CPMC1 Specifications

PARAMETER	VALUE
Abaco SBS CPMC1 3U CompactPCI PMC Carrier	Overview
Applications	Installing a single PMC in a 3U CompactPCI slot in embedded and military systems.
Key Features	One PMC site on 3U cPCI
Air or conduction cooled option	Minus 40 C to plus 85 C
Technical Specifications	Model: CPMC1

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 40 C to plus 85 C
Operating Temperature	minus 40 C to plus 85 C
Manufacturer	Abaco SBS
Mechanical Package	3U cPCI carrier
Documentation	Abaco CPMC1 carrier card data
Application Class	embedded PMC I/O in 3U cPCI
Bus	CompactPCI to PMC PCI
Duty	continuous embedded I/O
Related Host	3U CompactPCI backplane
Pmc Standard	IEEE 1386.1 PMC
Power	from cPCI backplane
Grounding	chassis ground
Pmc Count	one PMC module Notes From Abaco Systems CPMC1 Carrier Card product data (3U cPCI, one PMC, 64-bit 66 MHz, 512 MB/s, -40 to +85 C). Confirm air vs conduction-cooled build.

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 Abaco Systems CPMC1 Carrier Card product data (3U cPCI, one PMC, 64-bit 66 MHz, 512 MB/s, -40 to +85 C). Confirm air vs conduction-cooled build.	

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.