

COMPLETE PRODUCT INFORMATION

XVME-976

PMC Carrier Module

Xycom XVME-976 is a 6U VMEbus dual PMC carrier module designed for use with compatible XVME-689 and XVME-690 processor modules. It provides two 32-bit PMC sites and rear I/O routing through the VME P2 interface.

VERIFIED IDENTITY

Xycom | XVME VMEbus Embedded Computing | Country of origin: USA

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XVME-976

Technical Data

PARAMETER	VERIFIED VALUE
Model	XVME-976
Module type	Dual PMC carrier
Form factor	6U VMEbus
PMC capacity	Two 32-bit PMC sites
Compatible processors	XVME-689 and XVME-690
Rear I/O	One PMC site through VME P2
Power source	VMEbus backplane
Stacking	Two carriers support up to five PMC modules with compatible host
Operating temperature	-25 to 70 degrees C
Storage temperature	-40 to 60 degrees C
Country of origin	USA

Functions and Applications

CORE FUNCTION 1

Two 32-bit PMC expansion sites

CORE FUNCTION 2

6U VMEbus carrier architecture

CORE FUNCTION 3

P2 rear-I/O support for one PMC site

CORE FUNCTION 4

Stackable expansion with compatible XVME processors

APPLICATION	ENGINEERING CONTEXT
VMEbus PMC expansion	Adds two PMC sites to a compatible XVME processor platform.
Industrial communications	Hosts approved PMC network or communication adapters in a 6U VME system.
Rear-I/O integration	Routes the documented PMC rear I/O through the VME P2 interface.
Legacy embedded computing	Maintains the approved XVME-689 or XVME-690 expansion architecture.

Installation and Precautions

- Verify XVME-976 and any complete assembly suffix.
- Confirm compatibility with the installed XVME-689 or XVME-690 processor.
- Record both PMC modules, option keys and site positions.
- Confirm PMC voltage keying before insertion.
- Remove VME chassis power and use ESD controls.
- Verify P2 rear-I/O mapping before connecting field interfaces.
- Check total VMEbus and PMC power demand against the system design.
- Verify enumeration and function of both PMC sites before release.

ENGINEERING NOTE

Verify the XVME-976 assembly and any option suffix, host processor compatibility, PMC voltage keying and P2 rear-I/O assignment before installation. Remove chassis power, use ESD controls and prove both PMC sites after startup.

Model-Specific FAQ and Support

QUESTION	ANSWER
What is Xycom XVME-976?	It is a 6U VMEbus carrier that provides two 32-bit PMC expansion sites.
Which processors are documented with XVME-976?	The Acromag/Xycom catalog identifies XVME-689 and XVME-690 compatibility.
How many PMC modules can one carrier hold?	One XVME-976 provides two PMC sites.
Does XVME-976 support rear I/O?	Yes. The documented design routes one PMC site's rear I/O through the VME P2 interface.
How is the carrier powered?	It receives power from the VMEbus backplane.
Can multiple carriers be used?	The catalog describes stacking two carriers with a compatible host to support up to five PMC modules.
What temperature range is documented?	The catalog lists -25 to 70 degrees C operating and -40 to 60 degrees C storage.
What confirms successful commissioning?	The carrier is seated correctly and each installed PMC module enumerates and passes its controlled interface test.

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