Xycom XVME-976/202

PC Expansion Board for Use With XVME-653 and XVME-661

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XVME-976

Family of carrier modules for:

- **PMC modules**
- **PC-104 modules**
- **16-Bit PCI short card**
- **16-Bit ISA short card.**

Features

- Available for all XycomVME processors.
- Fits into any standard 6U VMEbus card cage adjacent to the processor module.
- Carrier occupies only one VMEbus slot.
- One PCI Mezzanine Card (PMC) expansion site and one PC-104 expansion site (XVME-976/1 and XVME-976/210)
- Two PC-104 expansion sites (XVME-976/104 and XVME-976/204)
- Two PMC expansion sites (XVME-976/203)
- Expands the functionality of the Xycom-VME processor family

Overview

The XVME-976 carrier module family provides an easy way to connect to a PMC, PCI, ISA or PC-104 module in the VMEbus using a XycomVME processor module.

With the XVME-976, you may expand your Xycom-VME VMEbus Intel processor to include additional Ethernet, SCSI, serial port, digital I/O, analog I/O and special function modules only available in PMC, PCI , PC-104 or ISA form-factors.

The PMC sites on the XVME-976/1, XVME-976/201 and XVME-976/203 are IEEE P1386 compliant. The PC-104 site on the XVME-976/1, XVME-976/104, XVME-976/201and XVME-976/204 are compliant with the ISA based PC-104 specification.

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Hardware Specifications

PC-104 Connector

One 16-bit compatible site (XVME-976/1 and XVME-976/201), or two 16-bit compatible sites (XVME-976/104 and XVME-976/204).

All PC-104 signals, except the data lines, are buffered. Signals which are outputs from the processor module are buffered and driven directly to the input pins of the I/O expansion module sites. Signals which are outputs from the I/O expansion module sites are buffered and are connected to the processor module via a system of user configurable jumpers.

PMC Expansion Sites

(XVME-976/1, XVME-976/201 and XVME-976/203)

- Compatible with 2.0 PMC Specifications IEEE P1386 modules.
- One 32-bit site with rear I/O out P2 of the carrier.

Note: The XVME-976 carriers draws power and ground from the VMEbus P1 connector.

VMEBus Compliance

- BGXIN* tied to BGXOUT*

Warranty Information

The XVME-976 carrier modules are covered for two years on parts and labor for any manufacture defects.

XycomVME, Inc.
710 N. Maple Rd.
Saline, MI 48176
Ph. 734.944.1942
Fax. 734.944.1999

Web site: www.xycomvme.com

Environmental Specifications

Temperature

Operating	0° to 50° C (32° to 122° F)
Non-operating	-40° to 60° C (-40° to 140° F)

Vibration

Frequency	5 to 2000 Hz
Operating	.015” (.38 mm) peak-to-peak Displacement 2.5 g (maximum) acceleration
Non-operating	.030” (.76 mm) peak-to-peak Displacement 5.0 g (maximum) acceleration

Shock

Operating	30 g peak acceleration 11 msec duration
Non-operating	50 g peak acceleration 11 msec duration

Humidity

Operating	20% to 80% RH, non-condensing
Non-operating	20% to 80% RH, non-condensing

Ordering Information

XVME-976/1	Carrier module with one PMC site and one PC-104 site for use with XVME-660
XVME-976/104	Carrier module with two PC-104 sites for use with XVME-660
XVME-976/201	Carrier module with one PMC site and one PC-104 site for use with XVME-653 and XVME-661
XVME-976/202	Carrier module with one ISA 16-bit short card site, uses two slots in VME chassis for use with XVME-653 and XVME-661
XVME-976/203	Carrier module with two PMC sites for use with XVME-653 and XVME-661
XVME-976/204	Carrier module with two PC-104 sites for use with XVME-653 and XVME-661
XVME-976/205	Carrier module with one PCI short card site, uses two slots in VME chassis for use

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