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.

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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