

Xycom XVME-655

## VMEbus Pentium Processor Module



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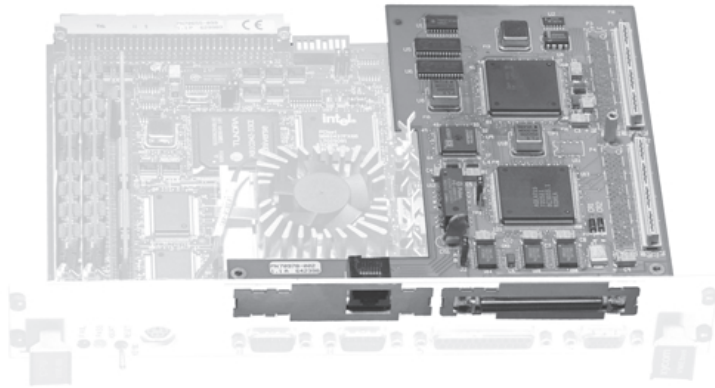
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## XVME-978

# PC Processor Board Expansion Modules



XVME-978/2 Ethernet Expansion Module

### Features

- Provides Ethernet and SCSI expansion for the XVME-655 Pentium® VMEPC Processor board.
- All expansion performed via the local PCI bus of the XVME-655.
- Requires no additional VMEbus slots- all I/O is routed through the XVME-655's front panel.
- Supports the following Ethernet interfaces:
  - 10BaseT (twisted pair) and 10Base2 (thinwire) at up to 10 Mbits/sec. through RJ45 and BNC connectors (XVME-978/1)
  - 10BaseT (twisted pair) at 10 Mbits/sec. and 100BaseTX at up to 100 Mbits/sec. through a RJ45 connector (XVME-978/2)
- Supports Fast & Wide SCSI through 68-pin connector. (XVME-978/2)
- Allows further expansion using XVME-976 PMC and PC/104 carrier modules

### Overview

The XVME-978 family of expansion modules provides a simple mechanism for adding Ethernet and SCSI functionality to Xycom Automation's XVME-655 Pentium® VMEPC Processor board. These modules require no additional VMEbus slots and provide access to all I/O connectors through the XVME-655's faceplate.

A choice of 10 Mbit or 100 Mbit Ethernet is available, and for fast access to mass storage, the XVME-978/2 includes a Fast & Wide SCSI interface. All interfaces reside on the local 32-bit PCI bus of the processor module that is linked to the XVME-655 via an interboard connector.

A second interboard connector carries the PC/104 (AT) bus. Both busses are brought out through the top of the module, allowing PMC and PC/104 carrier modules to be fitted in the next VMEbus slot.

## Product Features

### *XVME-978/1 Ethernet Expansion Module*

- 10 Mbit Ethernet interface
- Supports 10BaseT (twisted pair) and 10Base2 (thinwire) interfaces
- RJ45 and BNC connectors available through XVME-655 front panel.
- Utilizes AMD® 79C650 (PC-NET) 32-bit bus-mastering PCI controller chip
- Provides NE1500 and NE2100 software compatibility
- Driver support for
  - Windows® 3.1x
  - Windows NT®
  - ROM Boot

### *XVME-978/2 Ethernet/SCSI Expansion Module*

- 10 Mbit and 100 Mbit Ethernet interface
- Supports 10BaseTX and 100BaseT (twisted pair) interfaces
- RJ45 connector available through XVME-655 front panel.
- Fast & Wide SCSI interface with support for bootable drives
- High-density 68-pin SCSI connector available through XVME-655 front panel.
- Utilizes AMD 79C650 (PC-NET) and Adaptec AIC-7880 controller chips
- Driver support for
  - Windows 3.1x
  - Windows NT

## Warranty

XVME-978 products carry a two-year parts and labor warranty.

## Hardware Specifications

### *Power Requirements*

+5V: 225 mA, typical  
430 mA, maximum

### *Dimensions*

XVME-978/1 4.01" × 5.09" (101.9 × 129.3 mm)  
XVME-978/2 4.01" × 5.09" (101.9 × 129.3 mm)

Both the XVME-978/1 and the XVME-978/2 fit within the confines of the PC Processor Board, occupying no additional VMEbus rack slots.

## Environmental Specifications

### *Temperature*

Operating 0° to 59°C (32° to 138°F)  
Nonoperating 0° to 85°C (32° to 185°F)

### *Humidity*

20 to 80% RH, non-condensing

### *Altitude*

Operating Sea level to 10,000 ft. (3048m)  
Nonoperating Sea level to 50,000 ft. (15240m)

### *Vibration*

5 to 2000 Hz  
Operating .015" peak-to-peak displacement  
2.5g (max.) acceleration  
Nonoperating .030" peak-to-peak displacement  
5.0 g (max.) acceleration

### *Shock*

Operating 30 g peak acceleration,  
11 msec duration  
Nonoperating 50 g peak acceleration  
11 msec duration

## Ordering Information

XVME-978/1 Ethernet expansion module for use with XVME-655 PC Processor Board

XVME-978/2 Ethernet and SCSI PCI expansion module for use with XVME-655 PC Processor Board

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