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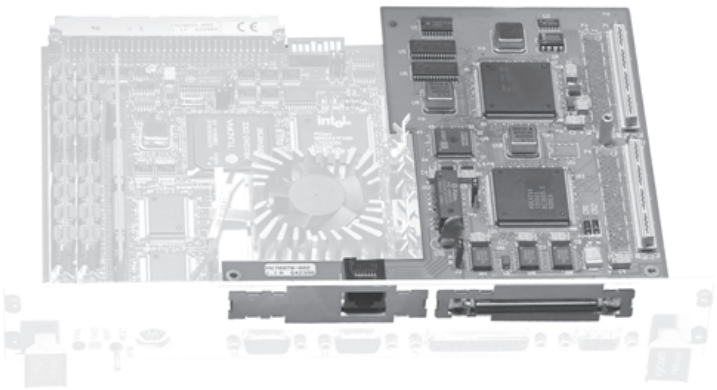
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Find the *Acromag / Xembedded / Xycom XVME-655* at our website: ***Click HERE***

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- allI/O is routed through theXVME-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.

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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® 3.1*x*
  - · 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 3.1*x*
  - · 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	0º to 59ºC (32º to 138ºF)
Nonoperating	0º to 85ºC (32º to 185ºF)
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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