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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Dual speed Ethernet + Flash expansion for PC/104-Plus systems.

Features

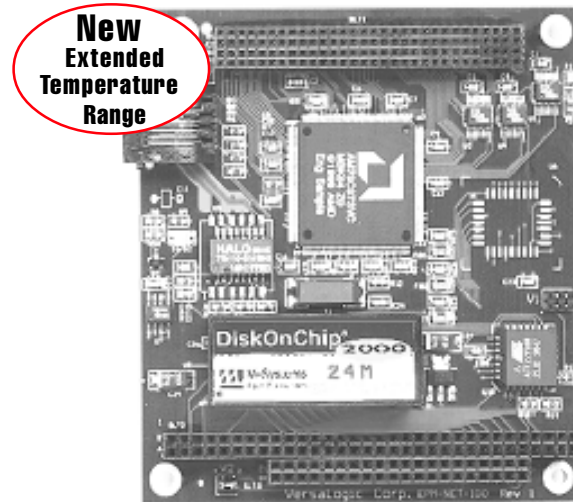
- 10BaseT / 100 BaseTX high speed Ethernet
- 32-pin DiskOnChip® socket
- PC/104-Plus high speed PCI interface
- 12K Ethernet transmit / receive data buffer
- Remote boot Ethernet option

Description

The EPM-NET-100 module combines a high-performance 10/100 Megabit per second (Mbps) Ethernet interface with an on-board DiskOnChip nonvolatile storage site. It features a high-speed PC/104-Plus PCI system interface to support high network data rates.

The Ethernet section, based on the AMD 79C973 controller, provides a standard 10BaseT and 100BaseTX network interface. Software drivers are available for a wide variety of operating systems to provide a complete high-performance networking solution. The Ethernet controller features auto-negotiation for standard twisted-pair (10T/100TX) operation using a modified 10BaseT link integrity test pulse sequence. It automatically configures to match the speed of the connected hub without the need for jumper or software configuration.

An optional Ethernet boot-ROM site allows the system to automatically boot from a server at power-up, eliminating the need for a local hard or floppy drive.



The EPM-NET-100 module also provides a socketed DiskOnChip site for Flash File Systems. The completely nonvolatile solid state memory is ideal for both program and data storage. Normally the DiskOnChip operates like a standard disk drive and supports normal file type reads and writes. Most operating systems also support the DiskOnChip as a bootable device, allowing 100% solid state program storage. Combining both Ethernet and Flash expansion on a single module provides considerable cost and space savings for systems that do not have adequate Flash capacity.

The EPM-NET-100 module is plug compatible with any PC/104-Plus expansion site. It is not compatible with older PC/104 type systems that do not include a high-speed Plus connector.

The EPM-NET-100 is fully compatible with a wide selection of popular operating systems including most Windows and Real Time Operating Systems.

The module features high reliability design and construction, along with burn-in and complete functional testing. It is backed by a two-year limited warranty and VersaLogic's outstanding service and support.





EPM-NET-100

High Speed Ethernet

Ordering Information

EPM-NET-100 PC/104 Ethernet Module
VL-DOC-xxx xxx MB DiskOnChip IC
VL-HDW-101 . . . PC/104 Standoff Pkg. Metric Thread
VL-HDW-201 PC/104 extractor tool

Specifications

Specifications are typical at 25°C with 5.0V supply unless otherwise noted.

Board Size:

3.55" x 3.775" (PC/104 standard)

Storage Temperature:

- 40°C to +85°C

Free Air Operating Temperature:

- 20°C to +85°C

Power Requirements:

+5V ±5% @300 ma typical (without DiskOnChip module)

Humidity:

Less than 95%, noncondensing

Ethernet Controller:

AMD 79C973

Ethernet Buffer RAM:

12 KB

Ethernet Compatibility Modes:

10BaseT

100BaseTX

Complies with IEEE/ANSI 802.3 and Blue Book standards

Ethernet Boot ROM Socket:

Site available for 29F040 Flash ROM

DiskOnChip Site:

32-pin DIP socket.

Accepts DiskOnChip modules

Occupies 8K memory space

7 jumper selectable addresses or socket disable

External Connectors:

Ethernet: RJ-45 jack

Bus Compatibility:

PC/104-Plus (+5V or +3.3V signaling)

Specifications are subject to change without notice. PC/104, PC/104-Plus, and their logos are trademarks of the PC/104 Consortium. DiskOnChip is a trademark of M-Systems.

