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Find the *Abaco Systems / VMIC VMIVME-5588DMA-210* at our website: ***Click HERE***



[Reflective Memory](#) >> VMIVME-5588DMA

Board Level Products – Real-Time Networking

RTnet Reflective Memory Products

VMIVME-5588DMA
VMEbus ENHANCED HIGH-SPEED DMA FIBER-OPTIC 1.2 Gbaud REFLECTIVE MEMORY RTnet WITH INTERRUPTS

- High-speed, easy-to-use fiber-optic network (1.2 Gbaud serially)
- Up to 16 Mbyte of Reflective Memory
- Data written to memory in one node is also written to memory in all nodes on the network
- Slave BLTs supported, master DMA controller (optional)
- Single-slot 6U VMEbus board
- Up to 256 nodes
- Up to 1,000 ft between nodes with multimode fiber-optic option
- Up to 10,000 m between nodes with single mode fiber
- Up to 30 m between nodes with coax cable option
- Data transferred at 29.5 Mbyte/s without redundant transfer
- Data transferred at 14.8 Mbyte/s with redundant transfer
- Any node on the network can generate an interrupt in any other node on the network or in all network nodes with a single command
- Error detection
- Redundant transmission mode for suppressing errors
- No processor overhead
- No processor involvement in the operation of the network
- A24:A32:D64:D32:D16:D8 memory access

Operating Systems
Solaris
SGI IRIX 4.x
SGI IRIX 6.x
VxWorks
DEC UNIX 4.x

Driver Software
(VMIVME/SW-RFM1)

Windows NT
Using VMIC's VMEbus CPU boards, VMISFT-9420 supports reflective memory access. support for interrupts, DMA and IP requires additional software supplied by the user.
Note: This includes DMA whereas 5576 & 5588 do not.

For Cables see Accessories.

View Specifications (in PDF file format)

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- Any node may reset any or all other nodes
- Software compatible with VMIVME-5578
- Software compatible and network compatible with VMIVME-5588
- Software addressable digital output bit (available at front panel and P2 connector) for interfacing with the VMIVME-5599 or VMIVME-5591 optical switch board or any user-defined purpose
- Device driver that includes Internet protocol
- Automatic fiber-optic bypass switch option (VMIVME-5599)
- Active fiber-optic bypass switch option (VMIVME-5591 or -5593)
- Optional multimode/single-mode converter for driving 6.2 mi (VMIVME-5592A)

Ordering Options		A	B	C	-	D	E	F
VMIVME-5588DMA	-				-			

A = Memory Options

0 = 256 Kbyte

1 = 512 Kbyte

2 = 1 Mbyte

3 = 2 Mbyte

4 = 4 Mbyte

5 = 8 Mbyte

6 = 16 Mbyte

B = FIFO Option

0 = 512 Transfer FIFO

1 = 4 Kbyte Transfer FIFO

C = Transmission Mode

	Transmit	Receive	Mode
0 =	mm Fiber	mm Fiber	Multimode DMA
1 =	Reserved		

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2 = sm Fiber    sm Fiber      Single Mode DMA

3 = mm Fiber    sm Fiber      Mixed Mode DMA

4 = sm Fiber    mm Fiber      Mixed Mode DMA

5 = Twinax      Twinax        Cable DMA

6 = Twinax      mm Fiber      Mixed DMA

7 = Twinax      sm Fiber      Mixed DMA

8 = mm Fiber    Twinax        Mixed DMA

9 = sm Fiber    Twinax        Mixed DMA
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For Ordering Information, Call 1-800-322-3616

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