VMIPMC-5579 REFLECTIVE MEMORY

Product Data Sheet

VMIPMC-5579-500

64 MB multimode reflective memory PMC

REFLECTIVE MEMORY	FIBER MODE	OPTICAL SERIAL RATE	NETWORK TRANSFER RATE
64 MB	**Multimode**	**270 Mbaud**	**13.4 MB/s, longword access**

VMIC VMIPMC-5579-500 is a 64 MB reflective memory PMC with a multimode fiber-optic interface. It distributes local memory writes to other nodes in a daisy-chained network without requiring application-managed message transfers.

01 VERIFIED TECHNICAL DATA

Reflective memory	64 MB
Fiber mode	Multimode
Optical serial rate	270 Mbaud
Network transfer rate	13.4 MB/s, longword access
Redundant transfer rate	6.7 MB/s, longword access
Maximum nodes	256
Multimode node distance	1000 m maximum
Fiber connector	SC
PCI target rate	33 MB/s
DMA initiator rate	22 MB/s

Source: VMIPMC-5579-500 VMIPMC-5579.pdf

02 ADDITIONAL PRODUCT DATA

Supply	+5 V DC
Maximum current	1.5 A
Operating temperature	0–65 °C; forced air cooling
Storage temperature	–40 to +85 °C
Relative humidity	20–80%, noncondensing

03 PRODUCT FUNCTION

The interface transfers longword data at up to 13.4 MB/s, or 6.7 MB/s in redundant transmission mode, and supports as many as 256 nodes. DMA, configurable endian conversion and three user-defined network interrupts provide host integration and event notification alongside automatic memory replication.

04 SYSTEM COMPATIBILITY

Connect the multimode optical path with SC connectors and keep each node-to-node link within the stated 1000 m limit. Assign a unique node identification and verify the ring indication, receive state and data propagation before relying on distributed memory contents.

05 MANUFACTURER SOURCE

VMIC official documentation: VMIPMC-5579-500 VMIPMC-5579.pdf. Selected source pages: 1, 2, 3, 4.

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