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VMIPMC-6100
PMC-Based Gbit Ethernet Adapter

- Standard features
  - — PCI mezzanine card (PMC)-based Gbit Ethernet adapter
  - — 1000SX fiber interface via front panel SC duplex fiber connector
  - — IEEE 802.3/802.3x/802.3z compliant
  - — 64-bit/66 MHz interface for optimum performance
  - — 64 Kbyte packet buffer
  - — PCI revision 2.2 compliant
  - — Universal PMC signaling operation

INTRODUCTION — The VMIPMC-6100 is a PMC-based Gbit Ethernet adapter. This product is ideal for applications requiring 1000SX Ethernet.

The VMIPMC-6100 uses the Intel® 82543GC Gbit Ethernet MAC. The 82543GC provides a 32-/64-bit, 33/66 MHz interface compliant to PCI Rev. 2.2. It also has a 64 Kbyte packet buffer to maintain high performance. A fiber 1000SX interface is provided via the PMC front panel using a duplex fiber connector. Drivers are available for download, making the VMIPMC-6100 easy to integrate with single-board computer (SBC) products such as VMIC's VMEbus and CompactPCI® offerings.

FUNCTIONAL CHARACTERISTICS

PMC: Universal +5 V and + 3.3 V PMC (PCI) signaling is supported

PHYSICAL/ENVIRONMENTAL

Temperature: 10 to 50 °C operating range

Relative Humidity: 10 to 90 percent (noncondensing) recommended operating range

MTBF: 888,940 hours (Bellcore)

ELECTRICAL CHARACTERISTICS

PMC Power: + 5 V, 1.3 A maximum

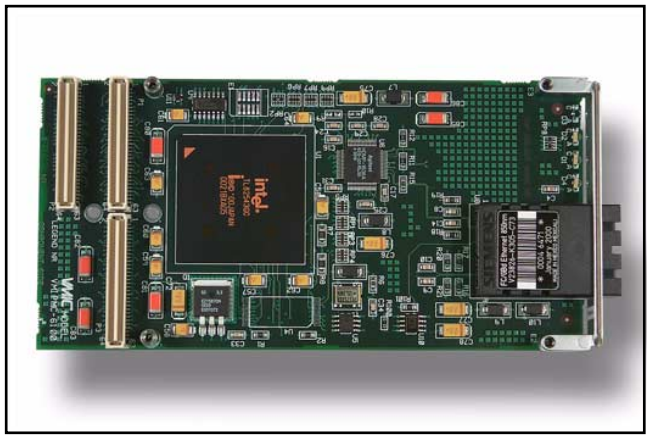
PMC Signaling: Universal 3.3 or 5 V, 32-/64-bit, 33/66 MHz

SOFTWARE

Windows NT®/Windows® 2000, Linux, and Solaris drivers supported.

NETWORK CONNECTIONS

Fiber-optic (multimode) with SC-type connectors
- — 50 µ multimode fiber (316 m half duplex, 550 m full duplex length)
- — 62.5 µ multimode fiber (275 m length)



TRADEMARKS

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Ordering Options

Feb. 6, 2002 800-756100-000 C		A	B	C	–	D	E	F
VMIPMC-6100	–		0		–			

A = Transmission Mode
- 0 = Multimode Fiber Optic (SC-Type Connectors)
- 1 = Single-Mode Fiber Optic (SC-Type Connectors)

B = 0 (Option reserved for future use)

C = Temperature Specifications
- 0 = Standard Product
- 1 = Extended Temperature

Cable Specifications

Fiber-Optic Cable - Multimode; (62.5 Micron core); Single-Mode (9 Micron core).

Fiber-Optic Cable Assemblies		A	B	C	–	D	E	F
VMICBL-000-F4	–	0			–			

ABC = Cable Lengths

000 = .5 ft (0.15 m)	011 = 350 ft (106.68 m)
001 = 1 ft (.31 m)	012 = 500 ft (152.15 m)
002 = 5 ft (1.52 m)	013 = 574 ft (175 m)
003 = 10 ft (3.04 m)	014 = 656 ft (200 m)
004 = 25 ft (7.62 m)	015 = 820 ft (250 m)
005 = 50 ft (15.24 m)	016 = 1,000 ft (304.30 m)
006 = 80 ft (24.40 m)	017 = 1,148 ft (350 m)
007 = 100 ft (30.49 m)	018 = 1,312 ft (400 m)
008 = 150 ft (45.72 m)	019 = 1,500 ft (456.45 m)
009 = 200 ft (60.98 m)	020 = 1,640 ft (500 m)
010 = 250 ft (76.20 m)	

For Ordering Information, Call:
1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859
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