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- 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

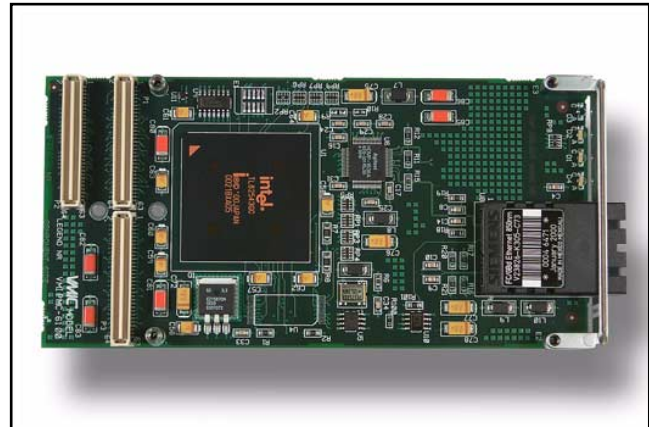
**PMC Signaling:** Universal 3.3 or 5 V, 32-/64-bit, 33/66 MHz

### 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
<b>VMIPMC-6100</b>	-	0		-			
<b>A = Transmission Mode</b> 0 = Multimode Fiber Optic (SC-Type Connectors) 1 = Single-Mode Fiber Optic (SC-Type Connectors) <b>B = 0 (Option reserved for future use)</b> <b>C = Temperature Specifications</b> 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
<b>VMICBL-000-F4</b>	-	0		-			
<b>ABC = Cable Lengths</b> 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)							
<b>For Ordering Information, Call:</b> 1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859 E-mail: info@vmic.com Web Address: www.vmic.com Copyright © August 2000 by VMIC Specifications subject to change without notice.							



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