



TigerCard 1000

Gigabit Ethernet PCI Network Card

1000BASE-SX

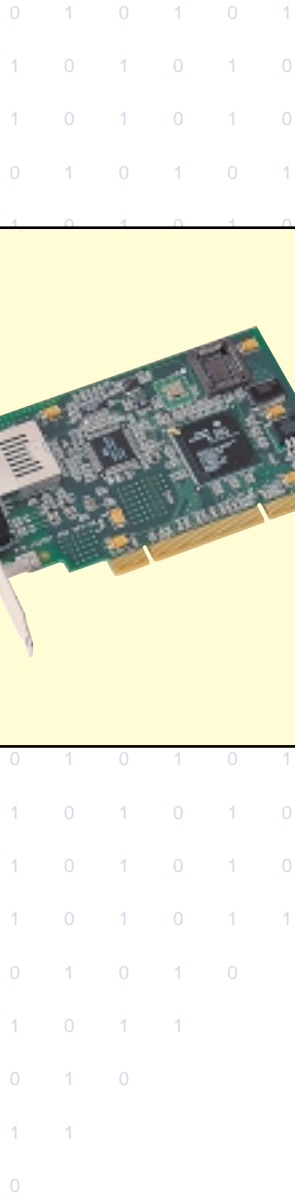
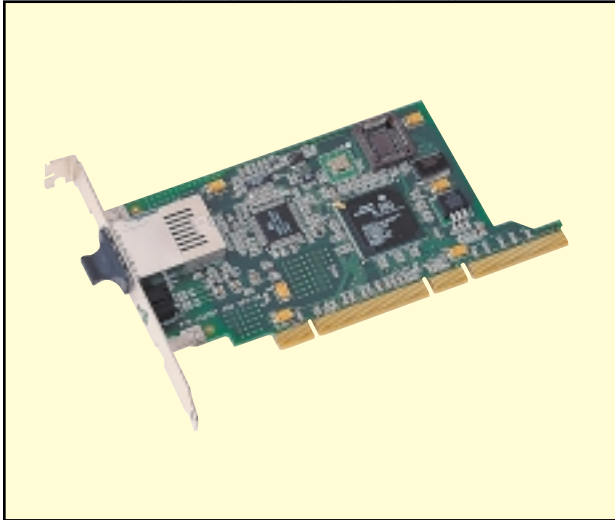
Light Speed for Mission Critical Applications

Today's advanced network applications place a heavy burden on network performance. High bandwidth server and switch connections are critical to maintain the quality of service network users need to work efficiently.

Responding to this need is the SMC TigerCard 1000 Gigabit Ethernet Adapter. The ideal solution for high powered network servers and workstations, the TigerCard 1000 provides ten times the speed of traditional Fast Ethernet over standard multimode fiber links. Operating in 32-bit or 64-bit PCI modes with Full-duplex support, the TigerCard 1000 delivers industry leading throughput with minimal CPU utilization.

The TigerCard 1000 comes with an array of advanced performance features. Packet Propulsion, Intelligent Interrupt Management and Jumbo Frame Support work to maximize speed while minimizing CPU utilization. Quality of Service and VLAN support ensure that critical data receives priority attention. The TigerCard 1000 supports all popular network operating systems. A convenient configuration and diagnostic utility for Windows NT is included, making installation fast and easy.

This support is further backed by a limited lifetime warranty and SMC's award winning toll-free technical support. Choose the Gigabit Card designed by the leading network card manufacturer in the world. At SMC, "It's About Dedication!"



Features	Benefits
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Powerful Performance <ul style="list-style-type: none">• Provides 2Gbps of network bandwidth with 32-bit and 64-bit PCI capability• Packet Propulsion burst small packets across the PCI bus to increase throughput• Jumbo Frame support boosts bulk data transfers and minimizes packet processing overhead• Intelligent Interrupt Management and TCP/IP Checksum minimize CPU utilization• Independent receive and transmit buffers ensure smooth data transfer	
Priority Control <ul style="list-style-type: none">• Quality of Service (QoS) provides eight levels of priority• 16-entry configurable VLAN table with tagging	
Ease of Use <ul style="list-style-type: none">• Plug-and-play – Installs in minutes!• Convenient Windows NT configuration and diagnostic utility• Auto-Negotiation of duplex mode and flow control• Diagnostic LEDs provide port status and network activity	
High Reliability <ul style="list-style-type: none">• Limited lifetime warranty• Unlimited toll-free technical support	



Specifications

TigerCard 1000 – SMC9462SX

Network Interface

1000BASE-SX; multimode fiber cable
SC connector (62.5/125 or 50/125 micron core)
Optical Wavelength:
Transmitter; 840 nm to 860 nm
Receiver; 770 nm to 860 nm

Bus Interface

32-bit and 64-bit bus master, PCI

Interrupt

INTA

Cabling

62.5/125 micron core: maximum 220 m (722 ft)
50/125 micron core: maximum 550 m (1804 ft)

Configuration

16-entry VLAN table, 8 priority levels
Jumbo Frame support
Packet Propulsion threshold level

Size (without bracket)

3.11 x 6.50 in (7.9 x 16.5 cm)

Weight

2.8 oz (80g)

Operating Voltage

+5 VDC @ 900 mA maximum

LED Indicators

Link
Full/half duplex
Activity

Temperature

Operating 32 to 131°F (0 to 55°C)
Storage -40 to 158°F (-40 to 70°C)

Humidity

Operating 5% to 95%

Standards

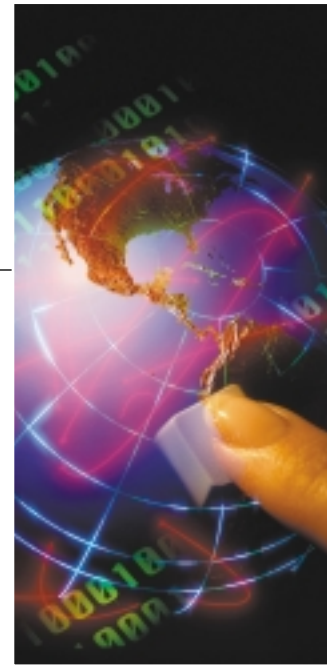
IEEE 802.3z Gigabit Ethernet
IEEE 802.3x Full-Duplex flow control
IEEE 802.1Q VLANs
IEEE 802.1p Quality of Service
PCI v2.1

Compliances

CE Mark
Emissions
FCC Class B
VCCI Class B
Industry Canada Class B
EN55022 (CISPR 22) Class B
C-Tick - AS/NZS 3548 (1995) Class B
Safety
UL 1950
CSA 22.2 No 950
EN60950 (TÜV)

Warranty

Limited lifetime



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Product	Order Number	Description
TigerCard 1000	SMC9462SX	1000BASE-SX Gigabit Ethernet network card with one Duplex SC fiber connector
SC-ST Converter	99-012034-091	SC to ST-type port converter for 62.5/125 micron fiber cable