Gigabit Ethernet PCI Adapter Cards

Signamax Connectivity Systems' Gigabit network adapter cards are used wherever it is necessary to provide Gigabit Ethernet capability directly into a server or workstation. Model 098-2000SX and 098-2000T utilize the new high-speed 64/32-bit PCI Bus Mastering architecture and support IEEE 802.1p Quality of Service (QoS) and 802.1Q VLAN Tagging standards for complete network optimization. Model 098-2000SX supports the IEEE 802.3z 1000BaseSX specification over either 50/125 micron or 62.5/125 micron multimode fiber optic cabling via it's SC fiber connector. Model 098-2000T and 098-2000TR support the IEEE 802.3ab 1000BaseT specification in a Category 5E or better cabling system, using a standard RJ45 jack. These cards also support 10BaseT and 100BaseTX transmission, allowing their use in networks evolving to Gigabit Ethernet.

SPECIFICATIONS

STANDARDS COMPLIANCE
IEEE 802.3z 1000BaseSX (model 065-2000SX)
IEEE 802.3ab 1000BaseT (model 065-2000T)
IEEE 802.3u 100BaseTX (model 065-2000T)
IEEE 802.3 10BaseT (model 065-2000T)
IEEE 802.3x Flow Control
IEEE 802.1p Quality of Service
(models 098-2000SX & 098-2000T)
IEEE 802.1Q Tagged VLAN
(model 098-2000SX & 098-2000T)
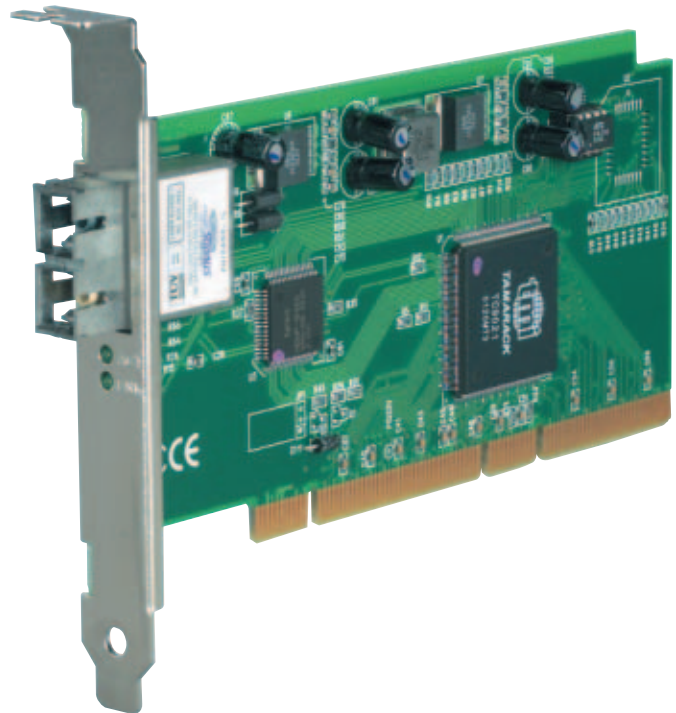PCI Specifications Revision 2.2

CONNECTOR
model 098-2000SX: SC multimode 1000BaseSX. Requires either 62.5/125 micron or 50/125 micron multimode fiber optic cable.
model 098-2000T & 098-2000TR: RJ45 10/100/1000BaseT/TX with Auto MDI/MDI-X Determination. Requires Category 5e cabling or better.

ARCHITECTURE
Auto I/O Address Configuration
Auto Full & Half Duplex modes
model 098-2000SX & 098-2000T:
64/32-bit PCI Bus Mastering with Auto PCI
model 098-2000TR:
32-bit PCI Bus Mastering

DIAGNOSTIC LEDS
model 098-2000SX & 098-2000T:
ACT: Network detected + data transmitted/received
LNK: Connection detected
model 098-2000TR:
ACT: Network detected + data transmitted/received
10:      Connection detected at 10 Mbps
100:     Connection detected at 100 Mbps
1000:   Connection detected at 1,000 Mbps

Model 098-2000TR

Gigabit Ethernet PCI Adapter Cards

PART NO.	DESCRIPTION
098-2000SX	1000BaseSX 64/32-Bit PCI Network Adapter Card – SC Multimode
098-2000T	10/100/1000BaseT/TX 64/32-Bit PCI Network Adapter Card

SIGNAMAX™
CONNECTIVITY SYSTEMS