

AT-2916SX

PCI Gigabit Fiber Interface Card



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1000SX 32-bit PCI Gigabit fiber interface card

Performance

Allied Telesis' AT-2916SX is a highly reliable 32-bit PCI Gigabit fiber interface card with 9KB jumbo frames support for network upgrade needs. The AT-2916SX helps to boost your Gigabit Ethernet throughput ten times to 1000Mbps. With the 1000SX fiber-optic connection, data transmission is both secure and faster.

In order to reduce CPU use, Allied Telesis' AT-2916SX uses the adaptive interrupts and ultra-deep 96KB packet buffer. Coupled with link aggregation and load balancing, AT-2916SX achieves the best performance of its class for server connectivity.

High Reliability

AT-2916SX Gigabit Ethernet fiber interface card comes with a variety of reliability features that are designed to maintain a connection as long as possible, including: link aggregation and failover.

Advanced Manageability

The priority queuing and Virtual LAN features offered by AT-2916SX can help users set-up the network based on their own needs. The comprehensive diagnostics and configuration software suite provides system administrators and engineers with a powerful tool to analyze the interface card and check specific data.

AT-2916SX Gigabit Ethernet fiber interface card can also support up to 64 VLANs and four priority queues.

Key Features

Management Software

- VLAN support
- Link aggregation LACP
- Link aggregation smart switch
- Failover

Advance Properties

- Jumbo frames
- Checksum offloading
- Secured transmissions
- Adaptive interrupts
- TCP, UDP and IP checksum generation and check
- Priority queuing
- CPU task offload (to reduce CPU utilization level)
- Remote boot (PXE 2.1)
- Compliant with the Trade Agreement Act
- Microsoft certified drivers
- RoHS compliant
- Low-profile and standard height brackets included
- SNMP
- IPv6
- Windows Vista
- Also can be used in PCI-x bus
- Wake-on-LAN (WoL) supported (enabled by default, utility to disable available in firmware)

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Specifications

Management Features

WMI
ACPI 1.1
PXE 2.1 Boot ROM
SNMP

Bus Type

PCI 2.2

Ethernet Standards

IEEE 802.1p Quality of Service
IEEE 802.1Q VLANs
IEEE 802.2 LLC
IEEE 802.3ab Gigabit standard
IEEE 802.3ac MAC
IEEE 802.3ad Link aggregation
IEEE 802.3az 1000SX
IEEE 802.3x Flow control, auto-negotiation
IEEE 802.3z 1000X

Drivers

Supported

Windows 7
Windows Vista
Windows Vista 64-bit
Windows XP
Windows XP 64-bit
Windows 2003
Windows 2003 64-bit
Windows 2000
NDIS2
NetWare 6.x
Linux 2.4
Linux 2.6
SNMP

Available

Windows NT 4
Solaris x86
Solaris Sparc 32-bit
Solaris Sparc 64-bit
NetWare 5.x

Compliance

RoHS
UL
FCC/EN55022 Class B
TUV
EN55024
CE
C-TICK
VCCI

Connectors

SC
LC
Optical input power (min) -17dBm
Transmit optical power (min/max) -9.5/-1.5dBm

Environmental Specifications

Operating temperature 0°C to 50°C
Storage temperature -25°C to 70°C
Relative humidity 5% to 90% non-condensing

Power

Power consumption 3.78 Watts (max)
Signaling voltage 3.3/5V

Status Indicators

1000	ON	1000Mbps link up
	OFF	1000Mbps link down
ACT	ON	Receiving/transmitting
	OFF	Not receiving/ not transmitting

Physical Characteristics

Dimensions 12cm x 6.4cm
(W x H) (4.7") x (2.5")

Ships with standard bracket attached to interface card.
Low-profile bracket is included in packaging.

Network Type

Auto-negotiation full-duplex flow control

Maximum Cabling Distances

Up to 500m with 850 nm multi-mode fiber cable
Up to 220m with 62.5/125 μm multi-mode fiber cable
Up to 500m with 50/125 μm multi-mode fiber cable

Network Controller

Broadcom BCM5703S

Ordering Information

AT-2916SX/AA-xxx
1000SX 32-bit PCI Gigabit Ethernet interface card

Where AA = SC or LC

Where xxx = 001 for single pack
901 for single pack, Federal
and Government

Ships with standard bracket attached to interface card.
Low-profile bracket is included in packaging.

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