



AT-2931SX

PCI Extended (PCI-x) Gigabit Fiber Interface Card

AT-2931SX

1000SX 64-bit PCI-x Gigabit fiber interface card

Performance

Allied Telesis' AT-2931SX is a highly reliable 64-bit PCI-x Gigabit fiber interface card with 9KB jumbo frames support for network upgrade needs. The AT-2931SX 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-2931SX uses the adaptive interrupts and ultra-deep 96KB packet buffer. Coupled with link aggregation and load balancing, AT-2931SX achieves the best performance of its class for server connectivity.

High Reliability

AT-2931SX 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-2931SX 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-2931SX 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

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Specifications

Management Features

WMI
ACPI 1.1
PXE 2.1 Boot ROM
SNMP

Bus Type

PCI-x 2.2

Ethernet Standards

IEEE 802.1p	Quality of Service
IEEE 802.1Q	VLANs
IEEE 802.2	LLC
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 16.9cm x 6.4cm
(W x H) (6.7") 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 μ m multi-mode fiber cable
Up to 500m with 50/125 μ m multi-mode fiber cable

Network Controller

Broadcom BCM5703S

Ordering Information

AT-2931SX/AA-xxx
1000SX 64-bit PCI-x Gigabit Ethernet interface card

Where AA = SC or LC

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

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Low-profile bracket is included in packaging.

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