



## AT-2916SX

# PCI Gigabit Fiber Interface Card

#### AT-2916SX

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)

Allied Telesis www.alliedtelesis.com

## AT-2916SX | PCI Gigabit Fiber Interface Card

#### **Specifications**

**Management Features** 

ACPI I.I

PXE 2.1 Boot ROM

SNMP

**Bus Type** 

2.2

**Ethernet Standards** 

IEEE 802.1p Quality of Service **VLANs** 

IEEE 802.1Q IFFF 802.2 HC

IEEE 802.3ab Gigabit standard

IEEE 802.3ac

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

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

5% to 90% non-condensing Relative humidity

**Power** 

Power consumption 3.78 Watts (max)

Signaling voltage 3.3/5V

**Status Indicators** 

ON 1000Mbps link up

1000Mbps link down

ACT ON Receiving/transmitting

Not receiving/ not transmitting

**Physical Characteristics** 

12cm x 6.4cm Dimensions (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

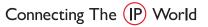
901 for single pack, Federal

and Government

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

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