Allied Telesis™

AT-2916LX10/LC

PCI Gigabit Single-mode Fiber Interface Card

AT-2916LX10/LC

1000SX 32-bit PCI Gigabit
single-mode fiber interface card

Performance

Allied Telesis' AT-2916LX10/LC is a highly reliable 32-bit PCI Gigabit fiber interface card with 9KB jumbo frames support for network upgrade needs. The AT-2916LX10/LC helps to boost your Gigabit Ethernet throughput ten times to 1000Mbps. With the 1000LX fiber-optic connection, data transmission is both secure and faster.

In order to reduce CPU use, Allied Telesis' AT-2916LX10/LC uses the adaptive interrupts and ultra-deep 96KB packet buffer. Coupled with link aggregation and load balancing, AT-2916LX10/LC achieves the best performance of its class for server connectivity.

High Reliability

AT-2916LX10/LC 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.

Longer Distance

The Allied Telesis 10km single-mode interface card allows for greater cabling distances and achieves superior reliability, lowering the total cost of ownership. Without the need to use multiple products to achieve greater distances network managers reduce the number of points of failure and products needed in the network.

Advanced Manageability

The priority queuing and Virtual LAN features offered by AT-2916LX10/LC 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-2916LX10/LC 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

• Also can be used in PCI-x bus

Vector InfoTech

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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	1000LX
IEEE 802.3x	Flow control, auto-negotiation
IEEE 802.3z	1000X

Drivers

Supported

Windows 7
Windows 7 64-bit
Windows Vista
Windows Vista 64-bit
Windows XP
Windows XP 64-bit
Windows 2003
Windows 2003 64-bit
Windows 2000
Windows 2008
Windows 2008 64-bit
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

LC

Optical input power (min)	-20dBm
Transmit optical power (min/max)	-9/-3dBm
Center wavelength	1310nm

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 low profile attached, standard in box.

Network Type

Auto-negotiation full-duplex flow control

Maximum Cabling Distance

Up to 10km on single-mode fiber

Network Controller

Broadcom BCM5703S

Ordering Information

AT-2916LX10/LC-xxx
1000LX 32-bit PCI Gigabit Ethernet interface card

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

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Connecting The (IP) World

Allied Telesis