

# AT-2972LX10/LC

## PCI-Express Single-mode Fiber Gigabit Interface Card



### AT-2972SX

PCIe x 1 (channel) single-mode fiber Gigabit interface card

### More Bandwidth with PCI-Express Interface

The PCI-Express (PCIe) design gives you the maximum possible bandwidth and bus efficiency. Other benefits are capability and low power consumption.

### High Reliability

The AT-2972LX10/LC Gigabit interface card comes with a comprehensive Microsoft Windows utility that performs detailed tests, diagnostics and analysis.

### 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 offered by the AT-2972LX10/LC can help you set-up your network based on your own needs. The comprehensive diagnostics and configuration software suite provides system administrators and engineers with a profound tool to analyze the Network Interface Card to check specific data.

### Key Features

#### Management Software

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

#### Advance Properties

- Jumbo frames
- Checksum offloading
- Secure transmissions
- PCI-Express
- IEEE 802.1x flow control
- IEEE 802.1p-based traffic prioritization
- PXE remote boot support
- Low-profile and standard height brackets included
- Microsoft certified drivers
- RoHS compliant
- Load balancing
- CPU task offload
- TCP segmentation
- SNMP
- IPv6
- Compliant with the Trade Agreement Act
- 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

PCIe x1

### Ethernet Standards

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

### Drivers Supported

Vista  
Vista 64-bit  
Windows XP  
Windows XP 64-bit  
Windows 2003  
Windows 2003 64-bit  
Windows 2000  
Windows 7  
Windows 7 64-bit  
Windows 2008  
Windows 2008 64-bit  
NDIS2  
NetWare 6.x  
Linux 2.4  
Linux 2.6

### 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 9.2 Watts (max)  
Signaling voltage 3.3V

### Status Indicators

LED 2 ports

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

### Physical Characteristics

Dimensions 9.5cm x 6.8cm  
(W x H) (3.7") x (2.7")

Weight 0.7kg

Ships with low profile attached, standard in box.

### Network Type

1000SX

### Network Speed

Auto-negotiation

### Maximum Cabling Distance

Up to 10km on single-mode fiber

### Network Controller

Broadcom BCM 57155

## Ordering Information

AT-2972LX10/LC-xxx

PCIe x1 (channel) fiber Gigabit interface card

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

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