



## AT-2701LX20

### PCI 32-bit Single-mode Fast Ethernet Fiber Network Interface Card

#### AT-2701LX20

100Mbps Fast Ethernet single-mode fiber interface card

#### Choice and Flexibility

Resistant to signal degradation, snooping, and interference, the AT-2701LX20 is the ideal solution for networks requiring protection from electrical interference and hackers. The small footprint—together with the low-profile option of the AT-2701LX20—make these products a perfect choice for PCs equipped with small desktop solutions.

#### Longer Distance

The Allied Telesis 20km 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

Allied Telesis' AT-2701LX20 features a full-line of card assistant software:

- AT-Setup reduces Window Driver installation to a mouse click. This Windows program guides users through driver installation, updates, and problem corrections.
- AT-Stat is an advanced Windows application that reports network conditions and performance such as hardware resources, network statistics, and configuration.
- The VLAN protocol driver allows network administrators to configure their VLAN network fabric at the PC instead of the switch, enabling transparent movement of systems between switches.
- TCP/IP checksum off-loading improves CPU use by verifying TCP/IP traffic checksums at the interface card rather than at the host processor, improving overall system performance for slower PCs.
- Packet prioritization enables Windows applications with Class of Service capabilities to prioritize out-bound packet streams to these NICs, a useful feature for video streaming and VoIP where interruptions are unacceptable.
- The AT-2701LX20's onboard Managed Boot Agent (MBA) provides a wide set of industry-standard boot protocols, including PXE, NetWare NCP/IPX, IBM's RPL, traditional DHCP, and BOOTP, supporting both BBS (BIOS Boot Specification) and non-BBS compliant PCs. It also includes an extensive set of utilities for boot ROM configuration, as well as access to pre-OS and network boot image files.

#### Key Features

- Single-mode 20km

#### Management Software

- VLAN support

- Link aggregation

- Failover

#### Advance Properties

- PCI 2.2 compliant

- Wake-on-LAN (WoL) supported (enabled by default, utility to disable available in firmware)

- Secured transmissions

- Advanced installation utility

- Advanced diagnostics

- Remote boot (PXE 2.1)

- TCP/IP checksum off-loading

- Priority queuing

- Driver support for popular operating systems including Sun Solaris

- Available with SC fiber connection

- Compliant with the Trade Agreement Act

- Microsoft certified drivers

- RoHS compliant

- Low-profile and standard height brackets included

- IPv6

- Also can be used in PCI-x bus

# AT-2701LX20 | 32-bit PCI Fast Ethernet Single-mode Fiber NIC

## Specifications

### Management Features

WMI  
ACPI 2.0/w01  
PXE 2.1 Boot ROM

### Bus Type

PCI 2.2

### Ethernet Standards

IEEE 802.1p	Quality of Service
IEEE 802.1Q	VLANs
IEEE 802.2	LLC
IEEE 802.3ac	MAC
IEEE 802.3u	Fast Ethernet

### Drivers

#### Supported

Windows 7  
Windows 2008  
Windows Vista  
Windows XP  
Windows 2003  
Windows 2000  
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

### Connector

SC

Optical receive sensitivity (max) -31dBm  
Transmit optical power (min/max) -19/-14dBm

### Environmental Specifications

Operating temperature 0°C to 50°C  
Storage temperature -25°C to 70°C

Relative humidity 5% to 90% non-condensing

### Optical Characteristics

Connector type SC

### Power

Power consumption 2 Watts @ 3.3v

#### Output Power (dBm)

Min.	Max	Wavelength
-15	-5	1310nm

#### Receive Power (dBm)

Min.	Max	Wavelength
-34	-32	1310nm

Signaling voltage 3.3/5V

### Status Indicators

100	ON	100Mbps link up
	Green	Full-duplex mode
	Yellow	Half-duplex mode
	Blink	Activity
	OFF	100Mbps link down

### Physical Characteristics

Dimensions 16.8cm x 6.5cm  
(W x H) (6.7") x (2.6")

Ships with low profile bracket attached to interface card.  
Standard bracket is included in packaging.

### Network Type

100FX

### Network Controller

AMD AM79C976

## Ordering Information

AT-2701LX20/SC-xxx  
100Mbps Fast Ethernet dual fiber interface card

Where xxx = 001 for single pack  
901 for single pack,  
compliant with Trade Agreements Act

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Standard bracket is included in packaging.

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