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AT-2701FX

PCI 32-bit Fast Ethernet Fiber Network Interface Card

AT-2701FX

100Mbps Fast Ethernet fiber interface card

Choice and Flexibility

Resistant to signal degradation, snooping, and interference, the AT-2701FX 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-2701FX—make these products a perfect choice for PCs equipped with small desktop solutions.

Advanced Manageability

Allied Telesis' AT-2701FX 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-2701FTX'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.
- Offering a wide range of connector choices—ST, SC, or MT-RJ—these cards meet the requirements of most fiber installations.

Key Features

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, ST, or MT-RJ fiber connections
- 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-2701FX | 32-bit PCI Fast Ethernet Fiber Network Interface Card

Specifications

Management Features
WMI
ACPI 2.0/wOI
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 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

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
ST
MT-RJ

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

Power

Power consumption	2 Watts @ 3.3v
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 (W x H)	16.8cm x 6.5cm (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-2701FX/AA-xxx
100Mbps Fast Ethernet dual fiber interface card

Where AA = ST, SC, or MT-RJ

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

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

USA Headquarters | 19800 North Creek Parkway | Suite 100 | Bothell | WA 98011 | USA | T: +1 800 424 4284 | F: +1 425 481 3895
European Headquarters | Via Motta 24 | 6830 Chiasso | Switzerland | T: +41 91 69769.00 | F: +41 91 69769.11
Asia-Pacific Headquarters | 11 Tai Seng Link | Singapore | 534182 | T: +65 6383 3832 | F: +65 6383 3830
www.alliedtelesis.com

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