



AT-2701FX/FTX & AT-2746FX

Fast Ethernet Fiber Network Interface Cards (NIC)

AT-2701FX/AA-xxx

100Mbps Fast Ethernet fiber
Network Interface Card (NIC)

AT-2701FTX/AA-xxx

100Mbps Fast Ethernet dual fiber
and copper NIC

AT-2746FX/AA-xxx

100Mbps Fast Ethernet
10Mbps dual port fiber NIC

Choice & Flexibility

Allied Telesyn's AT-2701FX/FTX and AT-2746FX are the answers for those fiber adapters that support Wake on LAN (WOL) for either PCI 2.1 or PCI 2.2 systems but not both. Allied Telesyn's NICs support WOL through the PCI 2.2 bus and support PCI 2.1 WOL via external cables. Resistant to signal degradation, snooping, and interference, the AT-2701FX/FTX and AT-2746FX are ideal solutions for networks requiring protection from electrical interference and hackers. The small footprint—together with the low-profile option of the AT-2701FX/FTX—make these products a perfect choice for PCs equipped with small desktop solutions.

Allied Telesyn's Card Assistant Software

Allied Telesyn's AT-2701FX/FTX and AT-2746FX feature a full-line of card assistant software:

- AT-Setup reduces Windows 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 adapter 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-2701FX/FTX's and AT-2746FX'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, MT-RJ, or VF-45—these cards meet the requirements of most fiber installations.

Key Features

- PCI 2.2 compliant
- Wake on LAN (WoL)
- Secured transmissions
- Advanced installation utility
- Advanced diagnostics
- PXE 2.0 support with BootROM pre-installed
- TCP/IP checksum off-loading
- VLAN support
 - Link Aggregation
 - Load-Balancing and Auto Fail-over
- Traffic prioritization
- Low-profile option
- IMB FIFO
- Driver support for popular operating systems including Sun Solaris
- Available with SC, ST, MT-RJ, or VF-45 connections
- Compliant with the Trade Agreement Act
- Lifetime warranty

Products shown above (left to right): AT-2701FX/SC, AT-2701FTX/SC, and AT-2746FX/ST/ST

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Status Indicators

AT-2701FX

2 LEDs to indicate:

Link/ACT	On for Link Blink for Activity
FDX	On for Full-Duplex Off for Half-Duplex

AT-2701FTX/2746FX

2 LEDs to indicate:

10Mbps	On for Link Blink for Activity Green for Full-Duplex Yellow for Half-Duplex
100Mbps	On for Link Blink for Activity Green for Full-Duplex Yellow for Half-Duplex

PC Bus Interface

Bus Interface	PCI 2.2 Compliant
Bus Width	32-bit
Data Transfer Mode	PCI 2.2 Bus Mastering
Power Management Interface	ACPI

Driver Support

Netware 4.2, 5, and 6
Windows 95, 98, ME, XP, NT4, 2000, and 2003
Linux 2.2, 2.4

100Mbps Fiber Interface

Connectors	ST, SC, MT-RJ, or VF-45
Fiber type	Multi-mode fiber
Output Power	Minimum: -19dB Typical: -16.8dBm Maximum: -14dB
Receive Sens.	Maximum: -31dB

UTP Interface

Connector Shielded RJ-45, MDI

IOFL

Connectors	ST, SC
Fiber type	Multi-mode fiber
Output Power	Minimum: -18.8dB Typical: -15.8dBm Maximum: -13.8dB
Receive Sens.	Maximum: -7.6dB

Selection Guide

	100FX	10/100TX	IOFL
AT-2701FX	X	-	-
AT-2701FTX	X	X	-
AT-2746FX	X	-	X

Power Characteristics

IA at 5v

Environmental Characteristics

Operating Temp.	0°C to 50°C
Operating Humidity:	5% to 80% non-condensing
Storage Humidity:	5% to 95% non-condensing

Physical Characteristics

AT-2701FX/FTX

Depth	17.5cm (6.9")
Height	6.5cm (2.6")

AT-2746FX

Depth	17.7cm (7")
Height	8.3cm (3.3")

Standards and Compliance

IEEE 802.3u	100FX
IEEE 802.3u	100TX
IEEE 802.3j	10FL
802.1Q/P	

Electrical/Mechanical Approvals

FCC/EN55022 class B
UL
TUV
EN55024
CE

Ordering Information

AT-2701FX/AA-xxx

100Mbps Fast Ethernet fiber
Network Interface Card (NIC)

AT-2701FTX/AA-xxx

100Mbps Fast Ethernet dual fiber and copper NIC

AT-2746FX/AA-xxx

100Mbps Fast Ethernet
10Mbps dual port fiber NIC

Where AA = ST, SC, MT-RJ, or VF-45
(for AT-2701FX/FTX)
SC/SC or ST/SC or ST/ST
(for AT-2746FX)

Where XXX = 001 for single unit
020 for 20-unit pack
901 for single unit,
Compliant with Trade Agreements Act
920 for 20-unit pack,
Compliant with Trade Agreements Act

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