AV⊘ Allied Telesyn
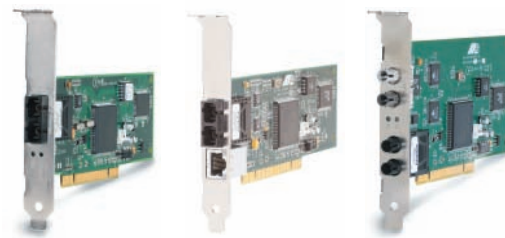
AT-2701FX/FTX & AT-2746FX

Fast Ethernet Fiber Network Interface Cards (NIC)

AT-2701FX/AA-xxx

100Mpbs Fast Ethernet fiber
Network Interface Card (NIC)

AT-2701FTX/AA-xxx

100Mpbs Fast Ethernet dual fiber
and copper NIC

AT-2746FX/AA-xxx

100Mpbs 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 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
  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
- 1MB 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

AT-2701FX/FTX & AT-2746FX | Network Interface Cards (NIC)

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

10FL

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	10FL
AT-2701FX	X	-	-
AT-2701FTX	X	X	-
AT-2746FX	X	-	X

Power Characteristics
1A 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
100Mpbs Fast Ethernet fiber
Network Interface Card (NIC)

AT-2701FTX/AA-xxx
100Mpbs Fast Ethernet dual fiber and copper NIC

AT-2746FX/AA-xxx
100Mpbs 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

Connecting The IP World

Allied Telesyn