

# 2711FXa Series

## Fast Ethernet PCI-Express Network Adapters



Allied Telesis 2711 Series Network Adapters are designed for fiber-to-the-desktop networks that depend on secure and reliable systems. With a small form factor PCIe x1 bus, the 2711 Series is an ideal fit for government, education or other networks with high security requirements.

### High reliability

The 2711FXa 100Mb network adapter provides a specialized, high-reliability connectivity solution tailored for industrial applications, secure network segmentation, or environments requiring legacy equipment integration over fiber infrastructure.

Operating at a fixed 100 Mbps data rate, this type of adapter leverages the benefits of fiber optic cabling—primarily extended transmission distances, immunity to electromagnetic interference (EMI), and enhanced physical security.—while utilizing a readily available PCI Express x1 host interface for easy installation in modern servers and workstations.

This dedicated connection ensures full line-rate throughput without the potential for bottlenecks on the host bus, offering a stable and secure link for critical systems.

### Advanced manageability

The priority queuing offered by the 2711 Series can help users set up their networks based on their own needs. The comprehensive diagnostics and configuration software suite provides system administrators and engineers with a robust tool to analyze the network adapter and check specific data.

### Easy migration from original 2711FX Series

For customers using Allied Telesis 2711FX, the 2711FXa Series is an easy migration path. With both families based on a Broadcom chipset, the drivers and installation will be seamless.

### Compatibility

For enterprise and industrial environments, reliability and compatibility are paramount. The 2711FXa is designed to be highly compatible with a wide array of operating systems, including various versions of Microsoft Windows, Windows Server & Linux.

For customers equipped with PCI-Express systems, the 2711 Series adapters provide the ability to easily build or connect to Fast Ethernet fiber networks.

### Hassle-free support

All Allied Telesis Network Adapters include technical support, ensuring trouble-free installation.

## Key Features

- PCIe (PCI-Express) x1 interface
- IEEE 802.1x flow control
- IEEE 802.1p-based traffic prioritization
- TCP checksum RX/TX supported
- PXE (2.1) remote boot support
- Wake-on-LAN (WoL) supported (enabled by default, utility to disable available in firmware)
- Audio/Video Bridging (AVB)
- Jumbo frame up to 9.6KB
- Receive-Side Scaling (RSS)
- MSI and MSI-x
- Available with LC, SC, ST or MT-RJ multi-mode fiber connections
- Low-profile and standard height brackets included
- RoHS compliant
- IPv6
- Compliant with Trade Agreement Act
- SNMP

# SPECIFICATIONS

## Bus Type

PCIe x1 v1.1

## Interface Standards

IEEE 802.1p	Quality of Service
IEEE 802.1Q	VLAN tag
IEEE 802.1as	1588 Precision Time Protocol (PTP)
IEEE 802.2	LLC
IEEE 802.3ac	MAC
IEEE 802.3u	Fast Ethernet
IEEE 802.3x	Flow control auto-negotiation

## Compatible with Drivers:

Windows 11  
Windows 10  
Windows Server 2022  
Windows Server 2019  
Linux

## Management Features

WMI  
ACPI 2.0/wOl  
PXE 2.1 Boot ROM  
SNMP

## Connectors

LC, SC, ST

## Optical Specifications

Output receive sensitivity -31 dBm  
Transmit optical power -19/-14 dBm

## Status Indicators

LED  
On: link up  
Off: link down  
Blink: activity

## Power

Power consumption 2.0 Watts max  
Signaling voltage 3.3V

## Environmental Specifications

Operating temperature 0°C to 50°C (32°F to 122°F)  
Relative humidity 5% to 90% (non-condensing)  
Storage temperature -25°C to 70°C (-13°F to 158°F)

## Physical Characteristics

Dimensions (W x H) 7.7 cm x 6.9 cm  
(3.0 in x 2.7 in)  
Weight 50 g (1.76 oz)  
Ships with low-profile bracket attached to interface card.  
Standard bracket included in packaging.

## Maximum Cabling Distances

Up to 2000 m (6,560 ft) in full-duplex  
Up to 412 m (1,351 ft) in half-duplex

## Compliance

RoHS  
UL  
FCC/EN55022 Class B  
TUV  
EN55024  
CE  
C-TICK  
VCCI

# ORDERING INFORMATION

## Single Port Models

AT-2711FXa/SC-xxx	100FX SC PCIe x1 network adapter
AT-2711FXa/ST-xxx	100FX ST PCIe x1 network adapter
AT-2711FXa/LC-xxx	100FX LC PCIe x1 network adapter

Where xxx = 900 for single pack, Federal & Government (TAA)