

## AT-2814FX

### NETWORK INTERFACE CARD



The Allied Telesis AT-2814FX (100FX/SC 34 mm fiber ExpressCard/34) Network Interface Card is an ideal fit for fiber-to-the-laptop networks that depend on secure and reliable systems.

The single-piece, integrated design of the AT-2814FX endures frequent use with no damage to the fiber connectors, making it a solid solution for military and government.

#### Mobile Connectivity through Fiber

The Allied Telesis AT-2814FX ExpressCard/34 module is designed to provide notebook computers with network connections through a

high-speed fiber optic link via a 34 mm ExpressCard interface. The AT-2814FX module features an SC fiber connection supporting the Microsoft Windows 7, XP and Vista operating systems and is compliant with industry standards.

#### Hassle-Free Support

All Allied Telesis Network Interface Cards offer technical support, ensuring trouble-free installation.

#### Key Features

- » Advanced centralized power management
- » Secure data transmission
- » NDIS 6 IPsec task offload compliant (Windows logo compliant)
- » IPv4 and IPv6 Large Send Offload and Checksum Offload (LSO/TCO)
- » Will work in 34 or 54 mm\* ExpressCard slots

\* With the addition of the included stabilizer bracket.

#### Specifications

##### Status Indicators

System LED: Link/Activity

##### Interface Standards

IEEE 802.3u Fast Ethernet  
 IEEE 802.3x Full-duplex  
 ExpressCard/34

##### Physical

Dimensions (W x H) 13.7 cm x 3.4 cm (5.4 in x 1.3 in)  
 Weight 0.02 kg (0.05 lb)

##### Power Requirements

Power Consumption 2.5W @ 3.3V

##### Environmental

Operating Temperature 0°C to 40°C (32°F to 104°F)  
 Storage Temperature -25°C to 70°C (-13°F to 158°F)  
 Relative Humidity 5% to 95%, non-condensing  
 Altitude Up to 3,048 m (10,000 ft)  
 Predicted MTBF 3,210,000 hr  
 (Telcordia SR332)

##### Optical Characteristics

Connector type	SC		
Output power (dBm)	Min.	Max.	Wavelength
	-20	-14	1310 nm SC
Receive power (dBm)	Min.	Max.	Wavelength
	-31	-11	1310 nm

##### Data Encryption

AH transport for both IPv4 and IPv6 (AES-GMAC)  
 ESP transport for both IPv4 and IPv6 (AES-GMAC) (AES-GCM)

##### Standards

EMI part 15  
 FCC class B, EN55022 class A, VCCI class A, C-Tick, CE  
 ExpressCard compliant  
 Immunity EN55024  
 Safety UL60950-1 (cULUS)  
 EN60950-1 (TUV)  
 EN60825  
 Electrical interfaces UL60950-1 (cULUS)  
 EN60950-1 (TUV)  
 CAN/CSA C22.2 No. 60950-1

##### Supported Drivers

Windows 7  
 Windows XP  
 Windows Vista

#### Ordering Information

**AT-2814FX-xxx**  
 100Mbps, ExpressCard/34 with SC connector

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