

## 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 Linux, 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
- » IPv4 and IPv6 Large Send Offload and Checksum Offload (LSO/TCO)
- » Will work in 34 or 54 mm\* ExpressCard slots
- » Supports Multi-mode 50 / 62.5 / 125u cable

\* 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      |
| Receive power (dBm) | -31 1310 nm          |

#### Data Security

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 |                                                                   |
| Immunity                                               | EN55024                                                           |
| Safety                                                 | UL60950-1 (cULUS)<br>EN60950-1 (TUV)<br>EN60825                   |
| Electrical interfaces                                  | UL60950-1 (cULUS)<br>EN60950-1 (TUV)<br>CAN/CSA C22.2 No. 60950-1 |

#### Supported Drivers

Linux 2.6  
Windows 7  
Windows XP  
Windows Vista  
Drivers available at [alliedtelesis.com/support](http://alliedtelesis.com/support)

### 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