

USB 2.0 to Ethernet 100Base-FX multimode SC 2km Link Budget: 11.0dB



## Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%



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## USB 2.0 to Ethernet 100Base-FX multimode SC 2km Link Budget: 11.0dB

Use the Scorpion-USB™ Fast Ethernet Fiber Adapter to create an EMI-secure data connection between a USB port on a PC, laptop or tablet and a 100Mbps Ethernet fiber port on a switch. This unique USB to fiber adapter is ideal for use in applications where wireless transmission is not the preferred technology due to security concerns or where copper lacks the bandwidth, distance or security for sharing data-intensive files. The Scorpion-USB Fast Ethernet Fiber Adapter allows a computing device which does not have a fiber port to connect to a fiber-based Ethernet network through a USB 2.0 interface.

Designed specifically for laptop, notebook, and tablet PCs running today's most popular operating systems and deployed in fiber-rich networking environments, the Scorpion-USB Fast Ethernet Fiber Adapter allows a secure connection to a fiber-based Ethernet network through a USB 2.0 port. Just plug the adapter into the USB port, install the driver, and the connection is ready.

### Features

- Fast Ethernet fiber connection through a USB interface is more secure than copper or wireless transmission
- Bus powered device, no external power supply needed
- Advanced power saving mode to preserve PC battery life
- Multimode SC, LC, or industry standard SFP fiber port (SFP sold separately)
- LEDs to indicate USB Speed / Activity and fiber Link / Activity
- Plastic ABS enclosure with a 6" pigtail to USB type-A connector
- WHQL-certified drivers for Windows 7, 8, and 8.1, and 10, as well as numerous other operating systems

### Technical Data

#### Standards

- IEEE 802.3-2008
- USB 2.0

#### Data Rate

- USB 2.0 (type-A connector): 480 MBps (3840Mbps)
- Fiber: 12.5 MBps (100 mbps)

#### Ports

- 100Base-FX SC, LC, or SFP

#### Max Frame Size

- 1518 bytes (untagged)

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### Status LEDs

- USB: Speed / Activity Yellow: ON = high speed, OFF = low speed, FLASHING = activity
- Fiber: Link / Activity Green: ON = link, FLASHING = activity

### Software Support

- Windows 7, 8, 8.1, and 10 and many others

### Dimensions

- SC & LC Versions

Width: 2.2" [56 mm]

Depth: 9.2" [233 mm]

Height: 0.8" [20 mm]

- SFP Versions

Width: 1.2" [30 mm]

Depth: 10" [254 mm]

Height: 1.0" [25 mm]

### Power Consumption

- SC: Typical 1.12 Watts
- LC: Typical 0.9 Watts

### Power Source

- USB Bus

### Environment

- Operating: 0°C to 50°C
- Storage: -20°C to +80°C
- Humidity: 5% to 95% (non-condensing)

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- Altitude: 0 – 10,000 ft. (with derating)

### Weight

- 1 lb. [0.45 kg]

### MTBF

- Greater than 200,000 MIL-HDBK-217F Hours

### Certifications

- EN55022 Class B, EN55024, FCC Class B, CE Mark

### Warranty

- Lifetime

## Product variants & accessories

Art.-No.	Description
TN-USB-FX-01(SC)	USB 2.0 to Ethernet 100Base-FX multimode SC 2km Link Budget: 11.0dB