

TN-USB-FX-01 Series

Scorpion-USB™ 2.0 to Fast Ethernet Fiber Adapter

100Base-FX



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 fiber Ethernet 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 Fast 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, 8.1, and 10, as well as numerous other operating systems

Specifications

Standards	IEEE 802.3-2008 USB 2.0
Data Rates	USB 2.0 (Type-A connector): 480Mbps (3840Mbps) Fiber: 12.5Mbps (100Mbps)
Fiber Port	100Base-FX SC, LC, or SFP
Max Frame Size	1518 bytes (untagged)
Status LEDs	USB: Link / Activity Yellow: ON – High Speed, OFF – Low Speed, Flashing: Activity Fiber: Link / Activity Green: ON – Link, Flashing: Activity
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]
Software Support	Windows 7, 8, 8.1, and 10 and many others
Power Source	USB Bus
Power Consumption	1.12 Watts (SC: Typical) 0.9 Watts (LC: Typical)
Environment	Operating: 0°C to 50°C Storage: -20°C to +80°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft. (with derating)
Weight	1 lb. [0.45 kg]
Compliance	EN55022 Class B, EN55024, FCC Class B, CE Mark
Warranty	Lifetime

Ordering Information

TN-USB-FX-01(SC)

USB 2.0 to Ethernet 100Base-FX multimode (SC) [2 km/ 1.2 mi.] Link Budget: 11.0 dB

TN-USB-FX-01(LC)

USB 2.0 to Ethernet 100Base-FX multimode (LC) [2 km/ 1.2 mi.] Link Budget: 11.0 dB

TN-USB-FX-01(SFP)

USB 2.0 to Ethernet 100Base-FX Open SFP Slot

Optional Accessories (sold separately)

SFP Modules

Supports Fast Ethernet SFP Modules