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Scorpion-USB™ 3.0 to Gigabit Ethernet Fiber Adapter

1000Base-SX



Use the Scorpion-USB™ 3.0 Gigabit Ethernet Fiber Adapter to create an EMI-secure data connection between a USB port on a PC, laptop or tablet and a 1000Mbps 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 Gigabit Ethernet Fiber Adapter allows a computing device which does not have a fiber port to connect to a fiber-based Ethernet network through its USB interface quickly, reliably and securely.

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 Gigabit Ethernet Fiber Adapter allows a secure connection to a fiber based Gigabit Ethernet network through a USB 3.0 port. Just plug the adapter into the USB port, install the driver, and the connection is ready.

Ordering Information

TN-USB3-SX-01(LC)
USB 3.0 to Ethernet 1000Base-SX multimode (LC) [62.5/125 µm: 220 m/722 ft.] [50/125 µm: 550 m/1804 ft.]
Link Budget: 7.0 dB

TN-USB3-SFP-01
USB 3.0 to Ethernet 100/1000Base-X Open SFP Slot

Optional Accessories (sold separately)

SFP Modules
Supports Fast or Gigabit Ethernet SFP Modules
Data rate is limited to specific SFP chosen

Features

- Gigabit Ethernet fiber connection through USB 3.0 interface accommodates high bandwidth services faster, further and more securely than copper or wireless transmission
- Bus powered device, no external power supply needed
- Multimode LC or industry standard SFP fiber port
- SFP version supports dual speed 100/1000Mbps SFP Modules
- LEDs to indicate USB Speed / Activity and fiber Link / Activity
- Supports IEEE 802.1Q VLAN tagging
- Plastic ABS enclosure with a 9" pigtail to USB type-A connector
- WHQL-certified drivers for Windows 7, 8, 8.1, 10; Linux and MacIntosh 10.6 to 10.11 drivers also available

Specifications

Standards	IEEE 802.3-2008 IEEE 802.1Q USB 3.0
Data Rates	USB 3.0 (Type-A connector): 625 MBps (5000 mbps) Fiber: 125 MBps (1000 mbps)
Fiber Port	1000Base-SX LC 100/1000Base-X SFP
Max Frame Size	1518 bytes (untagged)
Status LEDs	USB: Speed / Activity Green: ON – USB 3.0 Yellow: ON – USB 2.0 Green & Yellow: OFF – USB Down Fiber: Speed / Activity Green – Link @ 1000Mbps, Yellow – Link @ 100Mbps, Flashing – Activity
Dimensions	Width: 2.09" [56 mm] Depth: 12.25" [233 mm] Height: 1" [20 mm]
Software Support	Windows 7, 8, 8.1, 10, Linux, and Macintosh 10.6 to 10.11
Power Source	USB Bus
Power Consumption	2.1 Watts (LC: Typical) 3.15 Watts max (SFP: MSA compliant supporting up to a 1 Watt module)
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	0.35 lbs. [0.16 kg]
MTBF	Greater than 5,800,000 hours Telcordia SR-332 (Issue 4)
Certifications	EN55032 Class A, EN55024, FCC Part 15, Subpart B, Class A, CE Mark
Warranty	Lifetime

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