

USB 3.0 to Fiber Optic Converter - Compact USB to Open SFP Adapter - USB to Gigabit Network Adapter - USB 3.0 Fiber Adapter Multi Mode(MMF)/Single Mode Fiber(SMF) Compatible

Product ID: US1GA30SFP



This USB 3.0 to fiber-optic converter lets you utilize the USB 3.0 (Type-A) port on your laptop or tablet to provide a secure fiber network connection. Windows and Mac compatible, the network adapter provides a Gigabit Ethernet (1000Mbps) optical network connection for portable laptops or tablets, or systems without expansion slots.

The open SFP slot enables you to use your preferred SFP transceiver module to meet your networking needs - use an SFP with your desired wavelength, distance, and connection type to achieve an efficient network solution. (SFP sold separately.)

This USB to fiber-optic converter provides reliable fiber connectivity while protecting your network from problems with electronic interference - a common issue with copper Ethernet networks. Fiber-to-the-desk connectivity (FTTD) maximizes network security, reducing the risk of data leaks for sensitive information, without compromising network speed and reliability.

Compact and portable, this USB 3.0 to fiber-optic converter is powered directly from the USB port.

Get up and running quickly. The USB to fiber-optic converter supports certified drivers for Windows, Mac and Linux. Once the adapter is plugged into a USB port, you simply install the drivers and the adapter is ready to transmit over a fiber network.

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

Mac Address Pass-Through Utility: To improve network security.

Wi-Fi Auto Switch Utility: Enabling users to quickly access faster network speeds via wired LAN.

For more information and to download the StarTech.com Connectivity Tools application, please visit:
www.StarTech.com/Connectivity-Tools

The US1GA30SFP is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Provides a portable network connectivity solution for mobile professionals, to access a fiber network through the USB port on their laptop or tablet
- Ideal for secure network connectivity - a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards

Features

- 1GbE USB 3.0 TO FIBER OPTIC CONVERTER: For USB-A enabled computers who require occasional access to a fiber LAN, for laptop users who don't have the option of an internal fiber network card
- TECH SPECS: Gigabit 1000Mbps 1x Open SFP (MSA compliant) Realtek RTL8153-VC-CG 1x USB 3.0 Type A Multi-mode (MMF) & Single mode (SMF) Fiber Comp. 9K Jumbo Frames VLAN USB Bus Powered
- MAXIMUM PORTABILITY: Compact, lightweight, and cableless design make this USB NIC / Gigabit Network Adapter easy to securely connect your Laptop to a Gigabit Ethernet Network wherever you go
- FLEXIBLE OPEN SFP SLOT: Use any MSA compliant SFP module; beneficial for network admins, installation technicians, and those who require seamless access to different types of fiber connectivity
- THE STARTECH.COM ADVANTAGE: StarTech.com offers a 2-year warranty on this USB-A to Gigabit Ethernet Adapter and free lifetime 24/5 multilingual technical support based in North America
- CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

Hardware

Warranty

2 Years

Ports	1
Interface	Fiber Ethernet
Bus Type	USB 3.2 Gen 1 (5Gbps)
Industry Standards	IEEE802.3z 1000BASE-SX/LX IEEE 802.1Q VLAN tagging

Chipset ID	Realtek - RTL8153-VC-CG Microsemi - VSC8211XVW
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Performance

Maximum Data Transfer Rate	1000 Mbps
Compatible Networks	1000 Mbps (1 Gbps)
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
MTBF	958,000 Hours

Connector(s)

Connector Type(s)	1 - 9 pin USB 3.0 A
External Ports	1 - SFP Slot

Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11, 11 ARM Windows Server 2008, 2012, 2016, 2019, 2022, 2025 macOS 10.9 - 10.14, 11.0, 12.0, 13.0, 14.0, 15.0, 26.1 Linux kernel 3.5 to 4.11.x, LTS versions only
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Special Notes / Requirements

System and Cable Requirements	USB-enabled computer with an available USB 3.0 port 1Gb SFP transceiver with your desired network connection
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Note	Jumbo Frames are no longer supported in macOS
	Fiber data transfer speeds and distances are dependent on the SFP used (sold separately)
	Reading of SFP module DOM/DDM is unsupported and will not work.

Indicators

LED Indicators	1 - Power
	1 - Link/Activity

Power

Power Source	USB-Powered
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Environmental

Operating Temperature	0C ~ 60C (32 ~ 140F)
Storage Temperature	-10 ~ 70C (14 ~ 158F)
Humidity	5% ~ 90% RH

Physical Characteristics

Color	Black
Material	Plastic
Cable Length	7.7 in [195 mm]
Product Length	6.7 in [17.0 cm]
Product Width	5.6 in [14.1 cm]
Product Height	0.8 in [2.0 cm]
Weight of Product	3.7 oz [106.0 g]

Packaging Information

Package Quantity	1
Package Length	6.7 in [17.0 cm]
Package Width	5.6 in [14.2 cm]
Package Height	1.2 in [3.0 cm]

Shipping (Package) 3.7 oz [104.0 g]
Weight

What's in the Box

Included in Package	1 - network adapter
	1 - quick-start guide

**Warranty
Information**

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*

