USB 3.0 to Fiber Optic Converter - 1000Base-SX SC

Product ID: US1GA30SXSC

This USB 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 1000Mbps Ethernet network connection and 1000Base-SX SC optical transceiver.

The USB to fiber-optic converter is equipped with an optical transceiver for 1000Base-SX networks, providing network connectivity with a maximum range of 550 m over multimode fiber.

This USB to fiber converter provides reliable 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 fiber-optic converter is powered directly from the USB port, making it easy to connect when you're on the go.

Get up and running quickly. The converter supports certified drivers for Windows, Mac and Linux. When you plug the adapter 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:
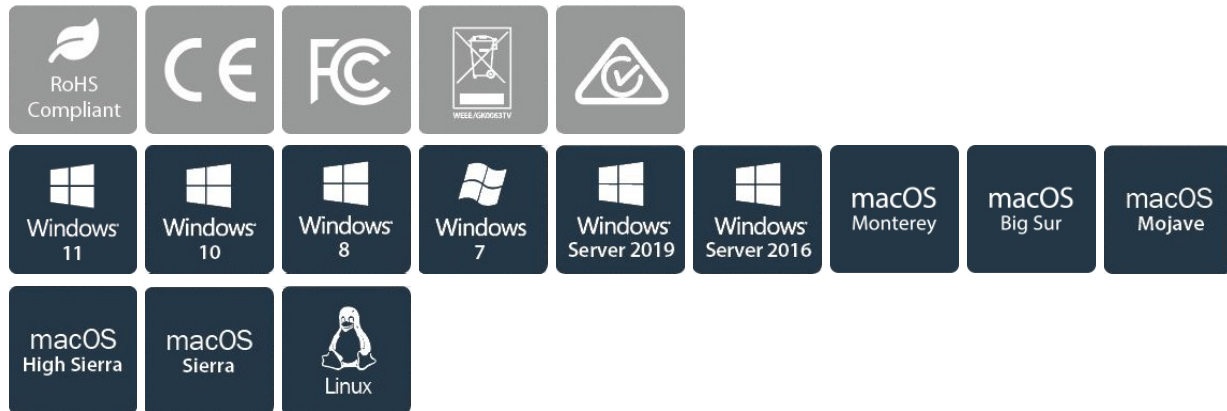
Mac Address Pass-Through Utility: To improve network security.

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 US1GA30SXSC is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant | CE | FC | WEEE/GK0063TV | ✓

Windows 11 | Windows 10 | Windows 8 | Windows 7 | Windows Server 2019 | Windows Server 2016 | macOS Monterey | macOS Big Sur | macOS Mojave

macOS High Sierra | macOS Sierra | Linux

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

• Provides a fiber network connection to portable laptops or tablets

• Fiber-to-the-desk connectivity (FTTD) enhances security, reducing the risk of data leaks

• Add a 1000Mbps 1000BaseSX SC Ethernet connection through a USB 3.0 Type-A interface

• Highly portable design, with no need for an external power adapter (bus powered)

• 1000Base-SX 1X9 SC optical transceiver

• 550 m range over multimode fiber

• Certified drivers for Windows, macOS and Linux

• Plug-and-play installation

• Wake-on-LAN support

• CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

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Hardware

	Warranty	2 Years

Ports	1	
Interface	Fiber Ethernet	
Bus Type	USB 3.2 Gen 1 (5Gbps)	
Industry Standards	IEEE802.3z 1000BASE-SX	
	IEEE 802.1Q VLAN tagging	
Chipset ID	Realtek - RTL8153-VC-CG	
	IC Plus - IP1103A	

Performance

Maximum Data Transfer Rate	1000 Mbps	
Max Distance	550 m / 1804 ft	
Type	Multi Mode	
Wavelength	850nm	
DDM	No	
Compatible Networks	1000 Mbps (1 Gbps)	
Jumbo Frame Support	9K max.	
Promiscuous Mode	Yes	

Connector(s)

Connector Type(s)	1 - 9 pin USB 3.0 A
	1 - Fiber Optic SC Duplex

Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
	Windows Server 2008, 2012, 2016, 2019, 2022
	macOS 10.9 - 10.14, 11.0, 12.0, 13.0, 14.0
	Linux kernel 3.5 and up - *LTS Versions only*

Special Notes / Requirements

	Note	Jumbo Frames are no longer supported in macOS

Indicators

	LED Indicators	1 - Power
		1 - Link/Activity

Power

	Power Source	USB-Powered

Environmental

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

Physical Characteristics

	Color	Black
	Cable Length	7.7 in [195 mm]
	Product Length	10.0 in [25.5 cm]
	Product Width	2.0 in [5.2 cm]
	Product Height	0.8 in [2.0 cm]
	Weight of Product	1.8 oz [50.0 g]

Packaging Information

	Package Quantity	1
	Package Length	6.5 in [16.6 cm]
	Package Width	5.7 in [14.4 cm]
	Package Height	1.1 in [2.8 cm]
	Shipping (Package) Weight	3.7 oz [106.0 g]

What's in the Box

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