

## Important Note

The SFP port of the U436-1G-SFP is primarily intended for use with LC multimode or singlemode transceivers, however the port is also compatible with SC transceivers with the use of LC to SC fiber patch cabling.

# USB-C 3.2 Gen 1 to Fiber Optic Gigabit Ethernet Adapter, Open SFP Port for Singlemode/Multimode, 1310 nm, LC

MODEL NUMBER: **U436-1G-SFP**



USB to Ethernet adapter provides Fiber-to-the-Desk (FTTD) connectivity to desktops, tablets and laptops in your mission-critical network.

## Features

### USB to Ethernet Adapter Bolsters Your Fiber-to-the-Desk (FTTD) Network Connections

The U436-1G-SFP allows you to instantly connect your computer, laptop or tablet's USB-C port to a 10/100/1000 Mbps fiber optic network. The adapter helps bring fiber connectivity directly to your desk or workstation without a costly overall upgrade to fiber optic infrastructure. It is bus-powered through the USB-C port, so no external power is needed.

### Open SFP Port Allows Both Singlemode and Multimode Transmissions

Connect your own singlemode or multimode LC SFP transceiver to the adapter's open SFP port. The U436-1G-SFP transmits data up to 5 kilometers (singlemode) or 550 meters (multimode) from your fiber network using a 1310 nm wavelength. It is fully hot-swappable, so you can install it without a potentially costly network shutdown or device reboot. The adapter can be connected to an SC transceiver with the use of LC to SC fiber patch cabling, such as N316-Series.

### Delivers Full Gigabit Ethernet Performance with Audio and Video Streaming

This compact transceiver Ethernet adapter is ideal for cable installers and troubleshooters who need to quickly and easily test multiple fiber connections. The U436-1G-SFP supports full 1 Gbps fiber optic network speeds, as well as USB 3.2 Gen 1 speeds up to 5 Gbps, allowing you to transfer data efficiently and stream audio and video. A blue LED indicates successful Ethernet connection and data transfer. The adapter works with Windows and Mac operating systems.

### Shielding EMI/RFI Line Noise Helps Your Equipment Perform Better

Various electromagnetic and radio sources found in virtually every home and business can cause disruptive interference on the AC line. Known as EMI (electromagnetic interference) and RFI (radio frequency interference), this line noise is a common cause of performance problems. By connecting your

## Highlights

- Brings high-speed fiber optic connectivity to your workstation without costly upgrade
- Open SFP port allows connection of either singlemode or multimode LC SFP transceiver
- Provides 1 Gbps throughput up to 5 km via singlemode fiber and 550 m via multimode
- Shields against disruptive EMI/RFI noise that can inflict hardware damage or data loss
- Gigabit Ethernet adapter is bus-powered via USB, so no external power is required

## Applications

- Provide an FTTD connection that allows immediate access to a high-speed fiber optic Gigabit Ethernet network
- Install an LC port on your tablet, laptop or PC for the purpose of connecting a singlemode or multimode fiber cable
- Upload data from your notebook or download data from the Ethernet at true 10/100/1000 Mbps speeds
- Bypass a malfunctioning Ethernet card on your laptop or computer

## System Requirements

- Computer, tablet or laptop with USB-C port
- 10/100/1000 Mbps Gigabit Ethernet network
- Compatible with N286-Series singlemode and multimode LC 1310 nm transceivers
- Compatible with N370-Series singlemode and N320-Series multimode LC fiber optic cabling
- Compatible with SC transceivers by using an LC to SC fiber patch cable, such as N316-Series

## Package Includes

- U436-1G-SFP USB-C to Fiber Optic Transceiver Ethernet Adapter
- Driver CD

desktop or laptop to a fiber network, your equipment is protected from disruptive line noise that can inflict hardware damage or data loss. This EMI/RFI shielding also helps your connected components perform better and last longer.

• [Quick Start Guide](#)

**Future-Proof Your Hardware to Keep Up with Growing Traffic Rates**

Besides being more reliable than lower-bandwidth copper cabling, fiber optic Ethernet cables allow data to move faster and farther without the risk of data leaks. The U436-1G-SFP provides an instant FTTD connection that allows your desktop, laptop or tablet to operate at its full online potential.

## Specifications

OVERVIEW	
UPC Code	037332256867
Technology	Multimode; Singlemode
Mode Type	Multimode; Singlemode
INPUT	
Built-In Cable Length (ft.)	0.51
Built-In Cable Length (m)	0.155
Built-In Cable Length (in.)	6.1
Built-In Cable Length (cm)	15.5
Bus Powered	Yes
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Ethernet Data Activity (Blue); Illuminates solid when connected to a network; Flashes when transmitting data
PHYSICAL	
Color	White
Cable Jacket Material	PVC
Cable Outer Diameter (OD)	4.5 +/- 0.2 mm
Wire Gauge (AWG)	28
Unit Dimensions (hwd / in.)	0.710 x 1.610 x 2.200
Unit Dimensions (hwd / cm)	1.8 x 4.1 x 5.6
Unit Dimensions (hwd / mm)	18 x 41 x 56
Unit Packaging Type	Box
Unit Weight (lbs.)	0.0773
Unit Weight (kg)	0.04
ENVIRONMENTAL	
Operating Temperature Range	32° to 131°F (0° to 55°C)

Storage Temperature Range	32° to 140°F (0° to 60°C)
Relative Humidity	5% to 90% RH, Non Condensing
<b>COMMUNICATIONS</b>	
Wavelength	1310nm
Transmission Distance	5 Km (Singlemode); 500m (Multimode)
<b>CONNECTIONS</b>	
Number of Ports	1
Side A - Connector 1	USB C (MALE)
Side B - Connector 1	SFP (FEMALE)
Contact Plating	Gold
<b>FEATURES &amp; SPECIFICATIONS</b>	
USB Specification	USB 3.0 (up to 5 Gbps); USB 3.1 Gen 1 (up to 5 Gbps); USB 3.2 Gen 1 (up to 5 Gbps)
Driver Required	Yes
Optical Port	LC
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	EN 55024; EN 55032
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	3-year limited warranty