

# USB 2.0 Ethernet Adapter - 10/100 Mbps, 100Base-FX, LC, Singlemode Fiber, White

## MODEL NUMBER: U236-SMF-LC





Connects your USB-enabled computer or laptop to a 10/100 Mbps fiber optic network without installing an internal Ethernet card.

#### Features

**Connects Your USB Device to a Wired Ethernet Network without an Internet Card Installed**This USB to Ethernet adapter allows you to instantly connect your computer, laptop, tablet or other USB-compatible device to a wired 10/100 Mbps fiber optic network, even if your device has no NIC (Network Interface Controller) installed. The adapter offers access to an Ethernet network when Wi-Fi is unavailable or when a wired connection offers faster speeds. It transmits data up to 20 kilometers (12.4 miles) from your fiber network using a 1310 nm wavelength.

**Hot-Swappable for Installation Without Network Interruption**This USB 2.0 Ethernet adapter is fully hot-swappable, so you can install it without a potentially costly network shutdown or device reboot. Just connect the built-in USB cable to your device's USB port (which also powers the adapter), and wait for the installation process to finish (you may have to reboot your computer). Then, connect the LC duplex port using existing or newly run singlemode fiber cable (such as Tripp Lite's N370-Series, sold separately).

**Delivers Full Ethernet Performance with Audio and Video Streaming**The compact USB to Ethernet adapter supports full 10/100 Mbps network speeds and USB 2.0 speeds, allowing you to transfer data efficiently and stream audio and video. The direct fiber connection minimizes the risk of data leaks and electromagnetic interference (EMI). A blue LED indicates successful Ethernet connection and data transfer. The adapter works with Windows operating systems and is backward compatible with USB 1.1 devices.

### Highlights

- Connects you to a wired Ethernet network when Wi-Fi is weak or unavailable
- Provides 10/100 Mbps throughput up to 20 km (12.4 mi.) via singlemode fiber cabling
- Supports USB 2.0 speeds up to 480 Mbps to ensure efficient data transfers
- Hot-swappable interface lets you install and uninstall without shutting down computer
- USB 2.0 Ethernet adapter powered via USB, so no external power supply is required

#### Applications

- Install an LC duplex port on your laptop or PC for the purpose of connecting a singlemode Ethernet network cable
- Upload data from your notebook or download data from the Ethernet at true 10/100 Mbps speeds
- Replace a malfunctioning Ethernet card on your laptop or computer

#### System Requirements

- Computer or laptop with USB-A port (USB 2.0 compatibility required to achieve USB 2.0 speeds)
- Windows (through Win 10) operating system

#### **Package Includes**

- U236-SMF-LC USB 2.0 Ethernet NIC Adapter
- Driver CD
- Quick Start Guide

# **Specifications**

OVERVIEW	
UPC Code	037332248480
Technology	USB; USB 2.0 (High Speed)



NPUT           Bulk-In-Cable Length (m)         0.155           Bulk-In-Cable Length (n.)         6.1           Bus Powered         Yes           USER INTERFACE, ALERTS & CONTROLS         Bule (Power/Data)           ELD Indicators         Bule (Power/Data)           PHYSICAL         Color         White           Cable Jacket Rating         WV-1           Material of Construction         ABS, PVC           Cable Jacket Rating         WV-1           Material of Construction         ABS, PVC           Unit Brackaging Type         Box           Unit Packaging Type         Box           Unit Packaging Type         Box           Unit Weight (bg.)         0.12           ENVIRONMENTAL         Operating Temperature Range           S2 to 131"F (0 to 55"C)         Storage Temperature Range           S2 to 140"F (0 to 60"C)         Rather Hunidity           VF to 50 50 % RH, Non-Condensing         Storage Temperature Range           S2 to 140"F (0 to 60"C)         Storage Temperature Range           S2 to 140"F (0 to 60"C)         Storage Temperature Range           S2 to 140"F (0 to 60"C)         Storage Temperature Range           S2 to 140"F (0 to 60"C)         Storage Temperature Range           S2 to 140"F			
Built-In Cable Length (in)         6.155           Built-In Cable Length (in)         6.1           Bus Powered         Yes           USER INTERFACE, ALERTS & COUNCE         Issee PowereD           USER INTERFACE, ALERTS & COUNCE         Issee PowereD           USER INTERFACE, ALERTS & COUNCE         Issee PowereD           Color         Buile (PowereData)           Physical         Issee PowereD           Color         White           Cable Jacket Rating         VW-1           Material of Construction         ABS, PVC           Unit Dimensions (hwd /in.)         0.71 x 2.2 x 1.61           Unit Weight (kg)         0.05           Unit Weight (kg)         0.05           Unit Weight (kg)         0.05           Unit Weight (kg)         0.12           Storage Temperature Range         32 to 131°F (0 to 55°C)           Storage Temperature Range         32 to 140°F (0 to 60°C)           Ratave Humility         5% to 90°K RH, Non-Condensing           Communications         2 to 131°F (0 to 55°C)           Storage Temperature Range         32 to 140°F (0 to 60°C)           Ratave Humility         1910 MD           Transmission Distance         2 km           Storage Connector 1         USB A (MALE)	Mode Type	Singlemode	
Buil-In Cable Length (n.)         6.1           Bus Powered         Yes           USER INTERFACE, ALERTS & COUNCIDENT         Survey Council Counci Council Council Council Council Council Council Coun	INPUT		
Bus Powered         Yes           USER INTERFACE, ALERTS & CONFIGUATION           USER INTERFACE, ALERTS & CONFIGUATION           Blue (Power/Data)           Devision           PhySicAL           Codor         White           Codor         Codor           Unit Weight (kg)         0.05           Diversition         Codor	Built-In Cable Length (m)	0.155	
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PHYSICAL           Color         White           Cable Jacket Rating         VW-1           Material of Construction         ABS, PVC           Unit Dimensions (hwd / in.)         0.71 x 2.2 x 1.61           Unit Dimensions (hwd / in.)         0.71 x 2.2 x 1.61           Unit Packaging Type         Box           Unit Weight (bs.)         0.05           Unit Weight (bs.)         0.12           ENVIRONMENTAL         Operating Temperature Range           S2 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           COMMUNICATIONS         Variant           Network Compatibility         10/100 Mbps           Wavelength         1310rm           Transmission Distance         20km           CONNECTIONS         Side A - Connector 1           Side A - Connector 1         USB A (MALE)           Side B - Connector 1         LC DUPLEX (FEMALE)           Connector Plating         Nickel           FEATURES & SPECIFICATIONS         USB 2.0 (up to 480 Mbps)           Differ Required         Yes	USER INTERFACE, ALERTS & CONTROLS		
Color         While           Cable Jacket Rating         VW-1           Material of Construction         ABS, PVC           Unit Dimensions (hwd / in.)         0.71 x 2.2 x 1.61           Unit Dimensions (hwd / in.)         0.71 x 2.2 x 1.61           Unit Packaging Type         Box           Unit Weight (kg)         0.05           Unit Weight (kg)         0.12           ENVIRONMENTAL         0.12           Operating Temperature Range         32 to 131°F (0 to 55°C)           Storage 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           COMMUNICATIONS         10/100 Mbps           Network Compatibility         10/100 Mbps           Wavelength         1310 m           Transmission Distance         20km           CONNECTIONS         20km           Side A - Connector 1         USB A (MALE)           Side B - Connector 1         LiS DUPLEX (FEMALE)           Connector Plating         Nickel           FEATURES & SPECIFICATIONS         USB 2.0 (up to 480 Mbps)           Difver Required         Ves	LED Indicators	Blue (Power/Data)	
Cable Jacket Rating         VW-1           Material of Construction         ABS, PVC           Unit Dimensions (hwd / in.)         0.71 × 2.2 × 1.61           Unit Dimensions (hwd / in.)         0.05           Unit Weight (kg)         0.05           Unit Weight (bs.)         0.12 <b>ENVIRONMENTAL</b> 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> Network Compatibility         10/100 Mbps           Storage Temperature Range         20km           Side A - Connector 1           USB A (MALE)           Side A - Connector 1	PHYSICAL		
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Unit Dimensions (hwd / in.)         0.71 x 2.2 x 1.61           Unit Packaging Type         Box           Unit Weight (kg)         0.05           Unit Weight (bs.)         0.12           ENVIRONMENTAL         Deprating Temperature Range           32 to 131°F (0 to 55°C)         Storage Temperature Range           32 to 140°F (0 to 60°C)         Relative Humidity           S% to 90 % RH, Non-Condensing         Storage Temperature Range           Operating Temperature Range         32 to 140°F (0 to 60°C)           Relative Humidity         5% to 90 % RH, Non-Condensing           COMMUNICATIONS         10/100 Mbps           Network Compatibility         10/100 Mbps           1310nm         20km           Connector 1         USB A (MALE)           Side A - Connector 1         USB A (MALE)           Side B - Connector 1         LC DUPLEX (FEMALE)           Connector Plating         Nickel           Peraturess & SPECIFICATIONS         USB 2.0 (up to 480 Mbps)           USB Specification         USB 2.0 (up to 480 Mbps)           Driver Required         Yes	Cable Jacket Rating	VW-1	
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Unit Weight (kg)         0.05           Unit Weight (bs.)         0.12           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           COMMUNICATIONS            Network Compatibility         10/100 Mbps           Wavelength         1310nm           Transmission Distance         20km           Side A - Connector 1         USB A (MALE)           Side B - Connector 1         LC DUPLEX (FEMALE)           Connector Plating         Nickel           FEATURES & SPECIFICATIONS         USB 2.0 (up to 480 Mbps)           Diver Required         Yes	Unit Dimensions (hwd / in.)	0.71 x 2.2 x 1.61	
Unit Weight (lbs.)     0.12       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       COMMUNICATIONS       Network Compatibility     10/100 Mbps       Wavelength     1310nm       Transmission Distance     20km       CONNECTIONS       Side A - Connector 1     USB A (MALE)       Side B - Connector 1     LC DUPLEX (FEMALE)       Connector Plating     Nickel       FEATURES & SPECIFICATIONS       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	Unit Packaging Type	Box	
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         COMMUNICATIONS         Network Compatibility       10/100 Mbps         Wavelength       1310nm         Transmission Distance       20km         CONNECTIONS         Side A - Connector 1       USB A (MALE)         Side B - Connector 1       LC DUPLEX (FEMALE)         Connector Plating       Nickel         FEATURES & SPECIFICATIONS         USB Specification         USB 2.0 (up to 480 Mbps)         Driver Required       Yes	Unit Weight (kg)	0.05	
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           COMMUNICATIONS            Network Compatibility         10/100 Mbps           Wavelength         1310nm           Transmission Distance         20km           CONNECTIONS         20km           Side A - Connector 1         USB A (MALE)           Side B - Connector 1         LC DUPLEX (FEMALE)           Connector Plating         Nickel           FEATURES & SPECIFICATIONS         USB 2.0 (up to 480 Mbps)           Driver Required         Yes	Unit Weight (lbs.)	0.12	
Storage Temperature Range     32 to 140°F (0 to 60°C)       Relative Humidity     5% to 90 % RH, Non-Condensing       COMMUNICATIONS       Network Compatibility     10/100 Mbps       Wavelength     1310nm       Transmission Distance     20km       CONNECTIONS       Side A - Connector 1     USB A (MALE)       Side B - Connector 1     LC DUPLEX (FEMALE)       Connector Plating     Nickel       FEATURES & SPECIFICATIONS       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	ENVIRONMENTAL		
Relative Humidity     5% to 90 % RH, Non-Condensing       COMMUNICATIONS       Network Compatibility     10/100 Mbps       Wavelength     1310nm       Transmission Distance     20km       CONNECTIONS     20km       Side A - Connector 1     USB A (MALE)       Side B - Connector 1     LC DUPLEX (FEMALE)       Connector Plating     Nickel       FEATURES & SPECIFICATIONS       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	Operating Temperature Range	32 to 131°F (0 to 55°C)	
COMMUNICATIONS         Network Compatibility       10/100 Mbps         Wavelength       1310nm         Transmission Distance       20km         CONNECTIONS       20km         Side A - Connector 1       USB A (MALE)         Side B - Connector 1       LC DUPLEX (FEMALE)         Connector Plating       Nickel         FEATURES & SPECIFICATIONS         USB Specification       USB 2.0 (up to 480 Mbps)         Driver Required       Yes	Storage Temperature Range	32 to 140°F (0 to 60°C)	
Network Compatibility     10/100 Mbps       Wavelength     1310nm       Transmission Distance     20km       CONNECTIONS       Side A - Connector 1       Side B - Connector 1     USB A (MALE)       Side B - Connector 1     LC DUPLEX (FEMALE)       Connector Plating     Nickel       FEATURES & SPECIFICATIONS       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	Relative Humidity	5% to 90 % RH, Non-Condensing	
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Transmission Distance       20km         CONNECTIONS       USB A (MALE)         Side A - Connector 1       USB A (MALE)         Side B - Connector 1       LC DUPLEX (FEMALE)         Connector Plating       Nickel         FEATURES & SPECIFICATIONS         USB Specification       USB 2.0 (up to 480 Mbps)         Driver Required       Yes	Network Compatibility	10/100 Mbps	
CONNECTIONS         Side A - Connector 1       USB A (MALE)         Side B - Connector 1       LC DUPLEX (FEMALE)         Connector Plating       Nickel         FEATURES & SPECIFICATIONS         USB Specification       USB 2.0 (up to 480 Mbps)         Driver Required       Yes	Wavelength	1310nm	
Side A - Connector 1     USB A (MALE)       Side B - Connector 1     LC DUPLEX (FEMALE)       Connector Plating     Nickel         FEATURES & SPECIFICATIONS       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	Transmission Distance	20km	
Side B - Connector 1       LC DUPLEX (FEMALE)         Connector Plating       Nickel         FEATURES & SPECIFICATIONS         USB Specification       USB 2.0 (up to 480 Mbps)         Driver Required       Yes	CONNECTIONS		
Connector Plating     Nickel       FEATURES & SPECIFICATIONS     USB Specification       USB Specification     USB 2.0 (up to 480 Mbps)       Driver Required     Yes	Side A - Connector 1	USB A (MALE)	
FEATURES & SPECIFICATIONS         USB Specification       USB 2.0 (up to 480 Mbps)         Driver Required       Yes	Side B - Connector 1	LC DUPLEX (FEMALE)	
USB Specification USB 2.0 (up to 480 Mbps) Driver Required Yes	Connector Plating	Nickel	
Driver Required Yes	FEATURES & SPECIFICATIONS		
	USB Specification	USB 2.0 (up to 480 Mbps)	
Remote Wakeup Support Yes	Driver Required	Yes	
	Remote Wakeup Support	Yes	



Optical Port	LC	
STANDARDS & COMPLIANCE		
Certifications	Tested to CE, FCC, RoHS, REACH	
WARRANTY		
Product Warranty Period (Worldwide)	3-year limited warranty	

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