

USB 3.0 to Gigabit Ethernet Network Adapter - 10/100/1000 Mbps, USB to RJ45, USB 3.0 to LAN Adapter, USB 3.0 Ethernet Adapter (GbE), 11in Attached Cable, Driverless Install

Product ID: USB31000S2



Easily add a Gigabit network port to your computer through a USB 3.0/3.2 Gen 1 Type-A port. The RJ45 port supports multiple speeds (10/100/1000 Mbps) and is fully compatible with Cat5, Cat5e, Cat6, and Cat6a cabling. This is an ideal peripheral for newer laptops that don't have an Ethernet port anymore. With backward compatibility, add network capabilities to older computers or replace a non-working Ethernet port.

The USB LAN adapter supports up to Gigabit speeds (1000 Mbps) when using a USB 3.2 Gen 1 or higher port. You can share and receive files over a network at a higher speed and stream content while reducing wait times and slowdowns.

Plug-and-play compatible, simply connect the network adapter into the USB Type-A port on your computer. The adapter's Realtek RTL8153 chipset provides native driver support in Windows, macOS, and Linux. Other features include VLAN tagging, Auto-MDIX, 9K jumbo frames, and full-duplex.

This portable USB Gigabit network adapter is the ideal accessory for laptops: light, portable, and with an unintrusive design. It's powered directly from the USB port making it easy to use when you're on the go. The cable is long enough (11.8 inches / 30 cm) to help with additional reach and flexibility.

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:

- Advanced Windows Layout Utility: To setup and save custom windows layouts.
- Mac Address Pass-Through Utility: To improve network security.
- USB Event Monitoring Utility: To track and log connected USB devices
- 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 USB31000S2 is backed for 2-years by StarTech.com, including free lifetime 24/5 multi-lingual technical assistance.

Certifications, Reports and Compatibility



Applications

Features

- **ADDED CONNECTIVITY:** The USB to RJ45 adapter adds an RJ45 port to your computer allowing connections up to Gigabit Ethernet speeds. The USB-A interface is backward compatible with previous USB generations, and a wide range of devices
- **USB NETWORK ADAPTER:** USB to RJ45 adapter adds an Ethernet port to your computer supporting up to Gigabit speeds with auto-sensing on 10/100/1000 Mbps BASE-T Networks; ideal for reliable wired gigabit network connections, or as an alternative to WiFi
- **USB NETWORK ADAPTER:** This adapter offers compatibility with 10/100/1000 Mbps networks, major OS support for Windows, macOS, and Linux, clear diagnostic LEDs, and durable construction, all in a small and lightweight package
- **FULL FEATURED:** USB to Ethernet dongle w/ attached 11.8in/30cm cable for longer reach reduces port connector strain; USB bus powered; Status & Activity LED's; Uses Realtek RT8153 Chipset for native compatibility w/ laptop and desktop computers, 2-in-1's
- **OS COMPATIBILITY:** This Ethernet adapter for laptop offers plug and play connectivity and is widely supported by Windows versions 7/8/10/11/Server, macOS 10.14/10.15/11.0/12.0, Linux distributions with kernel 4.11 to 5.9.16 LTS, and Chrome OS
- **OS COMPATIBILITY:** USB NIC adapter for laptop offers plug and play connectivity (no driver install required), works with Windows versions 7/8/10/11/Server, macOS 10.14/10.15/11.0/12.0, Linux distributions with kernel 4.11 to 5.9.16 LTS, and Chrome OS
- **MINIMALIST DESIGN:** The USB LAN adapter has a built-in 11.8in/300mm cable giving you additional reach and is conveniently self-powered via the USB port. This is a design that blends with most equipment and is compact to carry

around

- **TECHNICAL SPECS:** USB 3.2 Gen 1 Type-A (5 Gbps); Compatible with USB 3.0/2.0; 1x RJ45; 9K Jumbo Frames; VLAN Tagging; Wake on LAN; Energy Efficient Ethernet (EEE); Supports twisted pair crossover & auto detection (Auto-MDIX)
- **SPECIFICATIONS:** 1x USB 3.0/3.2 Gen1 Type-A 5 Gbps Port 1x RJ45 3 Speeds 10/100/1000 Mbps Realtek RT8153 9K Jumbo Frames VLAN Tagging Wake on LAN Energy Efficient Ethernet (EEE) USB Powered Backed for 2-years 24x5 Free Lifetime Assistance
- **CONNECTIVITY TOOLS:** Provided with this device, the application improves performance and security, and features a MAC Address Changer

Hardware

Warranty	2 Years
Ports	1
Interface	USB 3.2 Gen 1
Bus Type	USB 3.2 Gen 1 (5 Gbps)
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.1Q VLAN Tagging
Chipset ID	Realtek RTL8153

Performance

Maximum Data Transfer Rate	5 Gbps (USB 3.1) 2 Gbps (Ethernet - Full-Duplex)
Max Distance	100 m / 330 ft
Type and Rate	USB 3.2 Gen 1 - 5 Gbit/s
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
MTBF	424,860 Hours

Connector(s)

Connector Type(s)	1 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)
Connector A	1 - RJ-45

Software

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10, 11 Windows Server 2003, 2008 R2, 2012, 2016, 2019 macOS 10.7 to 10.15, 11.0, 12.0<i>VLAN tagging is currently not supported in macOS</i> Linux Kernel 2.6.25 and up - <i>LTS Versions only</i> ChromeOS
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Special Notes / Requirements

System and Cable Requirements	Available USB-A port
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Indicators

LED Indicators	1 - Link (Amber) 1 - Activity (White)
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Power

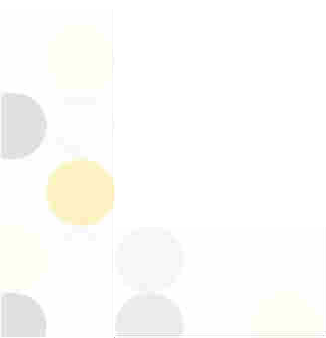
Power Source	USB-Powered
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Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	10% - 85%

Physical Characteristics

Color	Space Gray
Form Factor	Attached Cable
Material	Plastic
Cable Length	11.8 in [300 mm]
Product Length	15.7 in [40.0 cm]



Product Width	0.9 in [2.2 cm]
Product Height	0.6 in [1.5 cm]
Weight of Product	1.0 oz [27.0 g]

Packaging Information

Package Quantity	1
Package Length	8.9 in [22.5 cm]
Package Width	4.7 in [12.0 cm]
Package Height	0.6 in [1.5 cm]
Shipping (Package) Weight	1.1 oz [32.0 g]

What's in the Box

Included in Package	1 - USB Network Adapter
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****Product appearance and specifications are subject to change without notice.***

