

USB 3.0 Ethernet Adapter, USB 3.0 Network Adapter NIC with USB Port, USB to RJ45, USB Passthrough

Product ID: USB31000SPTB



The USB31000SPTB USB 3.0 to Gigabit Ethernet Adapter lets you add a Gigabit network port to your laptop or Ultrabook computer through a USB 3.0 port, and features an integrated USB 3.0 pass-through port that keeps your USB port available for use with other peripherals. The RJ45 port supports 10/100/1000 Mbps Ethernet and is fully compatible with IEEE 802.3i/u/ab standards. The network adapter is the ideal laptop accessory for your Microsoft Surface Pro 4, Surface Pro 3, Surface 3, Surface Pro 2 or Surface Book.

An ideal replacement LAN adapter or laptop accessory, this compact USB 3.0 NIC leverages the 5 Gbps speed of USB 3.0 to provide full gigabit bandwidth and also offers backward compatibility with USB 2.0 systems (speed limited by USB bus).

The adapter supports features such as IPv4/IPv6 packet Checksum Offload Engine (COE) and TCP large send offload to reduce the load on your CPU. Jumbo Frames, full-duplex operation with 802.3x flow control and VLAN tagging are also supported, making this an efficient and full-featured USB network adapter.

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

Certifications, Reports and Compatibility



Applications

- Add Gigabit Ethernet capabilities to a desktop or laptop
- Replacement for a failed built-in Gigabit Ethernet port on a laptop

Features

- **USB NETWORK ADAPTER:** Use the USB-A port on your laptop to add LAN access through a Gigabit Ethernet port; Features an integrated USB 3.0 passthrough port to connect additional peripherals; Crossover Detection & Auto-Correction (Auto MDIX)
- **FULL FEATURED:** USB-A to Ethernet dongle; Uses ASIX AX88179A Chipset for native compatibility with laptop, desktops, and 2-in-1 computers; Wake-On-LAN and VLAN Tagging support
- **OS COMPATIBILITY:** USB NIC adapter for laptop; Works with Windows versions 7 and up, Windows Server, macOS 10.14 and up, Ubuntu 20.04 Kernel 5.15 and up (LTS Versions only), and Chrome OS
- **VERSATILE DESIGN:** With its compact and lightweight design for maximum portability, this USB Type-A NIC/Gigabit network adapter enables you to securely connect your laptop to a Gigabit Ethernet network wherever you go; USB bus-powered
- **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	RJ45 (Gigabit Ethernet)
Bus Type	USB 3.2 Gen 1 (5Gbps)
USB Pass-Through	Yes

Industry Standards	IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az
Chipset ID	ASIX - AX88179A VIA/VLI - VL817

Performance

Maximum Data Transfer Rate	5 Gbps (USB 3.0) 2 Gbps (Ethernet - Full-Duplex)
Max Distance	100m [328ft]
Type and Rate	USB 3.0 - 5 Gbit/s
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
Jumbo Frame Support	4K max.

Connector(s)

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

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10, 11, 11 ARM Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, 2025 macOS 10.6 to 10.15, 11.3 to 26.1 - VLAN tagging is currently not supported in macOS Ubuntu 20.04 Kernel 5.15 and up - LTS Versions only ChromeOS 55+
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Special Notes / Requirements

System and Cable Requirements	Available USB Port
Note	Jumbo Frames are no longer supported in macOS

Indicators

LED Indicators	1 - 10/100 Link/Activity (Green)
	1 - Gigabit Link/Activity (Amber)

Power

Power Source	USB-Powered
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Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	5~85% RH

Physical Characteristics

Color	Black
Form Factor	Attached Cable
Material	Plastic
Cable Length	5.7 in [14.5 cm]
Product Length	11.0 in [28.0 cm]
Product Width	1.4 in [3.5 cm]
Product Height	0.7 in [1.7 cm]
Weight of Product	1.6 oz [44.0 g]

Packaging Information

Package Quantity	1
Package Length	5.6 in [14.3 cm]
Package Width	6.6 in [16.8 cm]
Package Height	1.3 in [3.2 cm]
Shipping (Package) Weight	4.7 oz [134.0 g]

What's in the Box

Included in Package	1 - USB 3.0 Network Adapter
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