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Data Sheet

# USB 3.0 to Gigabit Ethernet NIC Network Adapter

Product ID: USB31000S




The USB31000S USB 3.0 to Gigabit Ethernet Adapter adds a single RJ45 Ethernet port to a USB-enabled computer system, with support for Gigabit network connections at full bandwidth, unlike USB 2.0 adapters.

This compact USB 3.0 network adapter is backward compatible with older USB 2.0/1.x computer systems (speed limited by USB bus), making it the ideal portable replacement network adapter or laptop accessory. Plus, with support for features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL), the adapter offers a versatile Gigabit network solution for home and business users alike.

The USB31000S USB 3.0 Gigabit adapter is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility















## Applications

- Add Gigabit Ethernet capabilities to a desktop or laptop, without opening the computer or taking up an available expansion slot
- Replace a failed integrated network adapter with an external, USB Gigabit Ethernet connection, instead of having to open a desktop or laptop computer case
- Connects your laptop PC to a Gigabit network or backbone - perfect for small or home offices, departmental network applications and network gaming
- Transfer very large files over the network with access to true Gigabit speeds that USB 2.0 adapters cannot provide

## Features

- USB to RJ45 adapter supports Gigabit networking over USB 3.0
- IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX, and 1000BASE-T) compatible
- Powered directly from the USB ports
- Crossover Detection & Auto-Correction (Auto MDIX)
- IEEE 802.1Q VLAN Tagging support
- Jumbo Frame support
- Supports Checksum Offload (IPv4, IPv6, TCP, UDP) and Large Send Offload
- Activity and Link LED indicators
- Compact, lightweight design for maximum portability

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|---|---|---|
| | Warranty | 2 Years |
| **Hardware** | Bus Type | USB 3.0 |
| | Chipset ID | ASIX - AX88179 |
| | Industry Standards | IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az, IEEE 802.1q VLAN tagging |
| | Interface | RJ45 (Gigabit Ethernet) |
| | Ports | 1 |
| **Performance** | Auto MDIX | Yes |
| | Compatible Networks | 10/100/1000 Mbps |
| | Full Duplex Support | Yes |
| | Jumbo Frame Support | 4K max. |
| | Max Distance | 100 m / 330 ft |
| | Type and Rate | USB 3.0 - 5 Gbit/s |
| **Connector(s)** | Connector Type(s) | 1 - RJ-45 Female<br>1 - USB Type-A (9 pin) USB 3.0 Male |
| **Software** | OS Compatibility | Windows® XP, Vista, 7, 8, 8.1, 10<br>Windows® Server 2003, 2008 R2, 2012, 2012 R2, 2016<br>Mac OS® 10.6 to 10.14 *VLAN tagging is currently not supported in Mac OS*<br>Linux Kernel 2.6.25 to 4.11.x *LTS Versions only*<br>ChromeOS 55+ |
| **Special Notes / Requirements** | System and Cable Requirements | Available USB port |
| **Indicators** | LED Indicators | 1 - Activity (Yellow)<br>1 - Link (Green) |
| **Power** | Power Source | USB-Powered |
| **Environmental** | Humidity | < 80% RH |
| | Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| | Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| **Physical Characteristics** | Cable Length | 5.3 in [135 mm] |
| | Color | Black |
| | Enclosure Type | Plastic |
| | Form Factor | Attached Cable |
| | Product Height | 0.6 in [15.5 mm] |

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|---|---|---|
| | Product Length | 2.6 in [67 mm] |
| | Product Weight | 1 oz [28 g] |
| | Product Width | 1 in [26 mm] |
| **Packaging Information** | Package Quantity | 1 |
| | Shipping (Package) Weight | 4.9 oz [138 g] |
| **What's in the Box** | Included in Package | 1 - USB 3.0 Gigabit Adapter<br>1 - Driver CD<br>1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.