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Data Sheet

# USB 3.0 to Gigabit Ethernet Adapter NIC w/ USB Port - Black

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.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

RoHS Compliant Available

## Applications

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

## Features

- Gigabit Ethernet port through a USB 3.0 / 2.0 connection
- Integrated USB 3.0 pass-through port
- IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX, and 1000BASE-T) compatible
- Crossover Detection & Auto-Correction (Auto MDIX)
- IEEE 802.1Q VLAN Tagging support
- Up to 4K Jumbo Frame support
- Supports Checksum Offload (IPv4, IPv6, TCP, UDP) and Large Send Offload
- Compact, lightweight design for maximum portability

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| | Warranty | 2 Years |
| **Hardware** | Bus Type | USB 3.0 |
| | Chipset ID | ASIX - AX88179<br>VIA/VLI - VL811 |
| | Industry Standards | IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az |
| | Interface | RJ45 (Gigabit Ethernet) |
| | Ports | 1 |
| | USB Pass-Through | Yes |
| **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 |
| | Maximum Data Transfer Rate | 5 Gbps (USB 3.0)<br>2 Gbps (Ethernet - Full-Duplex) |
| | 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 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 - 10/100 Link/Activity (Green)<br>1 - Gigabit Link/Activity (Amber) |
| **Power** | Power Source | USB-Powered |
| **Environmental** | Humidity | 5~85% RH |
| | Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| | Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| **Physical Characteristics** | Cable Length | 6.1 in [155 mm] |

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|---|---|---|
| | Color | Black |
| | Enclosure Type | Plastic |
| | Form Factor | Attached Cable |
| | Product Height | 0.7 in [17 mm] |
| | Product Length | 5 in [126 mm] |
| | Product Weight | 1.6 oz [44 g] |
| | Product Width | 1.4 in [35 mm] |
| **Packaging Information** | Shipping (Package) Weight | 4.7 oz [132 g] |
| **What's in the Box** | Included in Package | 1 - USB 3.0 Network Adapter<br>1 - Driver CD<br>1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.