# USB 3.0 to Gigabit Ethernet NIC Network Adapter – 10/100/1000 Mbps

Product ID: USB31000NDS

The USB31000NDS USB 3.0 to Gigabit Ethernet Network Adapter adds a single RJ45 Ethernet port to a USB-enabled computer system, with support for Gigabit network connections at full bandwidth when used with a USB 3.0 host connection, unlike USB 2.0 adapters.

This compact USB 3.0 NIC works with 10/100/1000 Mbps networks and offers backward compatibility with USB 2.0/1.x computer systems (speed limited by USB bus), making it an ideal portable replacement LAN adapter or laptop accessory. Support for features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL), provides versatile Gigabit network performance for home or business use.

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
- Replace a failed integrated network adapter with an external, USB Ethernet solution to avoid opening the computer case

## Features

- Full Gigabit bandwidth support over USB 3.0
- IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX, and 1000BASE-T) compatible
- USB-Powered
- 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

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| **Hardware** | Warranty | 2 Years |
| | Bus Type | USB 3.0 |
| | Chipset ID | ASIX - AX88179 |
| | Industry Standards | IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az |
| | 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 |
| | Maximum Data Transfer Rate | 1Gbps (Gigabit Ethernet) |
| | Type and Rate | USB 3.0 - 5 Gbit/s |
| **Connector(s)** | Connector Type(s) | 1 - RJ-45 Female |
| | | 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, 2019<br>Mac OS® 10.6 to 10.15 *VLAN tagging is currently not supported in Mac OS*<br>Linux Kernel 2.6.25 to 4.11.x *LTS Versions only* |
| **Special Notes / Requirements** | System and Cable Requirements | Host computer system with an available USB 3.0/2.0 port |
| **Indicators** | LED Indicators | 1 - Activity (Yellow) |
| | | 1 - Link (Green) |
| **Power** | Power Source | USB-Powered |
| **Environmental** | Humidity | 10~90% RH |
| | Operating Temperature | 0°C to 50°C (32°F to 122°F) |
| | Storage Temperature | 0°C to 70°C (32°F to 158°F) |
| **Physical Characteristics** | Color | Black |
| | Form Factor | Dongle |
| | Material | Plastic |
| | Product Height | 1 in [2.6 cm] |

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| | Product Length | 2.7 in [68 mm] |
| | Product Width | 0.9 in [22.6 mm] |
| | Weight of Product | 0.8 oz [22 g] |
| **Packaging Information** | Package Height | 1.3 in [32 mm] |
| | Package Length | 6.8 in [17.3 cm] |
| | Package Width | 5.5 in [14 cm] |
| | Shipping (Package) Weight | 3.5 oz [98 g] |
| **What's in the Box** | Included in Package | 1 - USB 3.0 to Gigabit Ethernet Adapter |
| | | 1 - Driver CD |
| | | 1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.