

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

#### Product ID: USB31000NDS

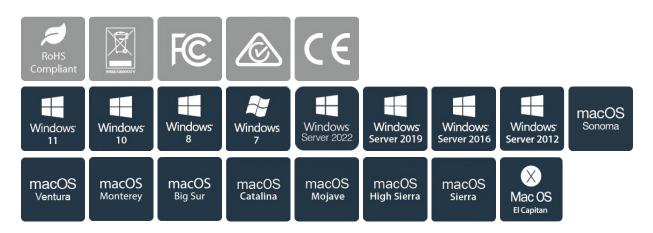


The USB31000NDS USB 3.0 to Gigabit Ethernet Network Adapter adds a single RJ45 Ethernet port to a USB-enabled computer system, with support for Gigabit network connections at full bandwidth when used with a USB 3.0 host connection, unlike USB 2.0 adapters.

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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Warranty 2 Years

Ports 1

Interface RJ45 (Gigabit Ethernet)

Bus Type USB 3.2 Gen 1 (5Gbps)

Industry Standards IEEE802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3az

Chipset ID ASIX - AX88179A

**Performance** 

Wake On Lan Yes

Maximum Data Transfer

Rate

1Gbps (Gigabit Ethernet)

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)

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

macOS 10.6 to 10.15, 11.3 to 15.0 VLAN tagging is currently not

supported in macOS

Ubuntu 20.04 Kernel 5.15 and up - LTS Versions only

Special Notes / Requirements

System and Cable Requirements

Host computer system with an available USB 3.0/2.0 port

Note

Jumbo Frames are no longer supported in macOS

**Indicators** 

LED Indicators 1 - Link (Green)

1 - Activity (Yellow)

**Power** 

Power Source USB-Powered

Input Voltage 5V DC

Output Voltage 5 DC

**Environmental** 

Operating Temperature 0C to 50C (32F to 122F)

Storage Temperature 0C to 70C (32F to 158F)

Humidity 10~90% RH



# Physical Characteristics

Color Black

Form Factor Dongle

Material Plastic

Product Length 2.7 in [68 mm]

Product Width 0.9 in [2.3 cm]

Product Height 1.0 in [2.6 cm]

Weight of Product 0.8 oz [22 g]

Packaging Information

Package Quantity 1

Package Length 6.9 in [17.4 cm]

Package Width 5.6 in [14.3 cm]

Package Height 1.3 in [3.2 cm]

Shipping (Package)

Weight

3.2 oz [92.0 g]

What's in the Box

Included in Package 1 - USB 3.0 to Gigabit Ethernet Adapter

1 - Driver CD

1 - Instruction Manual

<sup>\*</sup>Product appearance and specifications are subject to change without notice.