

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.

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
- 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

Hardware

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
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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, 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
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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)
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Power

Power Source	USB-Powered
Input Voltage	5V DC
Output Voltage	5 DC

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