

## **USB 2.0 to Gigabit Ethernet NIC Network Adapter**

*StarTech ID: USB21000S2*



The USB21000S2 USB 2.0 to Gigabit Ethernet Adapter offers a reliable USB Ethernet connection, adding a single RJ45 Ethernet port to a USB-enabled computer system, with support for connecting to Gigabit networks.

Backward compatible with older USB 1.x computer systems, this compact and portable USB Gigabit network adapter offers an ideal desktop replacement network adapter or laptop accessory. With support for features such as Jumbo Frames, VLAN tagging and Wake on LAN (WOL), the adapter is suitable for home and business users alike.

The USB21000S2 USB Gigabit network adapter is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### **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 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

## Features

- USB to RJ45 adapter supports Gigabit networking over USB 2.0 with up to 480 Mbps of bandwidth
- IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX, and 1000BASE-T) compatible
- Powered directly from the USB ports
- Jumbo Frame support up to 9 KB
- Supports Microsoft NDIS 6.2 Checksum Offload (IPv4, IPv6, TCP, UDP) and Large send Offload
- Crossover Detection & Auto-Correction (Auto MDIX)
- IEEE 802.1Q VLAN Tagging support
- Embedded 20KB SRAM for packet buffering
- Activity and Gigabit Link LED indicators
- Compact, lightweight design for maximum portability

**Technical Specifications**

Warranty	2 Years
Ports	1
Interface	RJ45 (Gigabit Ethernet)
Bus Type	USB 2.0
Industry Standards	IEEE 802.3/ 802.3u/ 802.3ab
Chipset ID	SMSC - LAN7500
Connector Type(s)	1 - RJ-45 Female
Connector Type(s)	1 - USB A (4 pin) Male
Maximum Data Transfer Rate	480 Mbps (USB 2.0)
Type and Rate	USB 2.0 - 480 Mbit/s
Buffer Size	20 KB
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
OS Compatibility	Windows® 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64) Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.6 and up (Tested up to 10.9) Linux 2.6.x and up (Tested up to 3.5)
System and Cable Requirements	Available USB port
Color	Black
Enclosure Type	Plastic
Product Length	10.6 in [270 mm]
Product Width	1.2 in [30 mm]
Product Height	0.8 in [20 mm]
Product Weight	1.4 oz [39 g]
LED Indicators	1 - Activity
LED Indicators	1 - Gigabit Link
Power Source	USB-Powered
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-20°C to 75°C (-4°F to 168°F)
Humidity	5% ~ 95% RH
Package Quantity	1
Shipping (Package) Weight	4.5 oz [128 g]
Included in Package	1 - USB Gigabit Adapter

Certifications, Reports and Compatibility

