

## USB 2.0 to Gigabit Ethernet NIC Network Adapter

Product 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 and VLAN tagging, 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.

## Certifications, Reports and Compatibility



## 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

<b>Hardware</b>	Warranty	2 Years
	Bus Type	USB 2.0
	Chipset ID	SMSC - LAN7500
	Industry Standards	IEEE 802.3/ 802.3u/ 802.3ab
	Interface	RJ45 (Gigabit Ethernet)
	Ports	1
<b>Performance</b>	Auto MDIX	Yes
	Buffer Size	20 KB
	Compatible Networks	10/100/1000 Mbps
	Full Duplex Support	Yes
	Maximum Data Transfer Rate	480 Mbps (USB 2.0)
	MTBF	70,000 hours
	Type and Rate	USB 2.0 - 480 Mbit/s
<b>Connector(s)</b>	Connector Type(s)	1 - RJ-45 Female 1 - USB Type-A (4 pin) USB 2.0 Male
<b>Software</b>	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2 Mac OS X® 10.6 to 10.9 Linux 2.6.x to 4.4.x <i>LTS Versions only</i>
<b>Special Notes / Requirements</b>	System and Cable Requirements	Available USB port
<b>Indicators</b>	LED Indicators	1 - Activity 1 - Gigabit Link
<b>Power</b>	Power Source	USB-Powered
<b>Environmental</b>	Humidity	5% ~ 95% RH
	Operating Temperature	0°C to 70°C (32°F to 158°F)
	Storage Temperature	-20°C to 75°C (-4°F to 168°F)
<b>Physical Characteristics</b>	Color	Black
	Enclosure Type	Plastic
	Form Factor	Attached Cable
	Product Height	0.8 in [20 mm]
	Product Length	10.6 in [270 mm]

	Product Weight	1.4 oz [39 g]
	Product Width	1.2 in [30 mm]
<b>Packaging Information</b>	Package Quantity	1
	Shipping (Package) Weight	4.5 oz [128 g]
<b>What's in the Box</b>	Included in Package	1 - USB Gigabit Adapter 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.