

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
- Connects your laptop PC to a Gigabit network or backbone - perfect for small or home offices, departmental network applications and network gaming
- Replace a failed integrated network adapter with an external, USB Ethernet connection, instead of having to open a desktop or laptop computer case

Features

- Powered directly from the USB ports

- Jumbo Frame support up to 9 KB
- Compact, lightweight design for maximum portability
- Supports Microsoft NDIS 6.2 Checksum Offload (IPv4, IPv6, TCP, UDP) and Large send Offload
- Crossover Detection & Auto-Correction (Auto MDIX)
- Embedded 20KB SRAM for packet buffering
- Activity and Gigabit Link LED indicators
- IEEE 802.1Q VLAN Tagging support
- 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

Hardware

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

Performance

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
MTBF	70,000 hours

Connector(s)

Connector Type(s)	USB Type-A (4 pin) USB 2.0
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RJ-45

Software

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>
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Special Notes / Requirements

System and Cable Requirements	Available USB port
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Indicators

LED Indicators	Gigabit Link Activity
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Power

Power Source	USB-Powered
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Environmental

Operating Temperature	0C to 70C (32F to 158F)
Storage Temperature	-20C to 75C (-4F to 168F)
Humidity	5% ~ 95% RH

Physical Characteristics

Color	Black
Form Factor	Attached Cable
Material	Plastic
Product Length	10.6 in [27 cm]
Product Width	1.2 in [30 mm]
Product Height	0.8 in [20 mm]
Weight of Product	1.4 oz [39 g]



**Packaging
Information**

Package Quantity	1
Package Length	6.7 in [17 cm]
Package Width	5.5 in [14 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	4.5 oz [128 g]

**What's in the
Box**

Included in Package	Driver CD
	Instruction Manual
	USB Gigabit Adapter

****Product appearance and specifications are subject to change without notice.***

