



StarTech US1GC30B2 USB-C to Ethernet Adapter Specifications And Datasheet

[Home](#) » [Support](#) » StarTech US1GC30B2 USB-C to Ethernet Adapter Specifications And Datasheet 

Contents

- [1 StarTech US1GC30B2 USB-C to Ethernet Adapter](#)
- [2 Description](#)
- [3 Certifications, Reports, and Compatibility](#)
- [4 Features](#)
- [5 Specifications](#)
- [6 FAQs](#)
- [7 Related Posts](#)

StarTech.com

StarTech US1GC30B2 USB-C to Ethernet Adapter



Description

Add a Gigabit network port to your computer, using a USB Type-C connection. The RJ45 port supports multiple speeds (10/100/1000 Mbps) and is fully compatible with Cat5 [and higher] cabling. This is an essential peripheral for new laptops that lack an Ethernet port. In addition, it can be utilized or whenever WiFi is unavailable or when wireless network speeds are inconsistent.

The USB LAN adapter supports up to Gigabit speeds (1000 Mbps). Share or receive files over a network, access network storage/backup, and stream online content while reducing wait times and slowdowns. Simply connect the network adapter to your computer's USB Type-C port. Native driver support in Windows, macOS, and Linux facilitates plug-and-play compatibility. In addition, mobile platforms are also supported, including ChromeOS, Android, and iPadOS.

This USB-C to RJ45 dongle features VLAN tagging, Auto-MDIX, 9K jumbo frames, wake-on-LAN, and full-duplex Ethernet making it the perfect companion for on-the-go users who require a wired network connection.

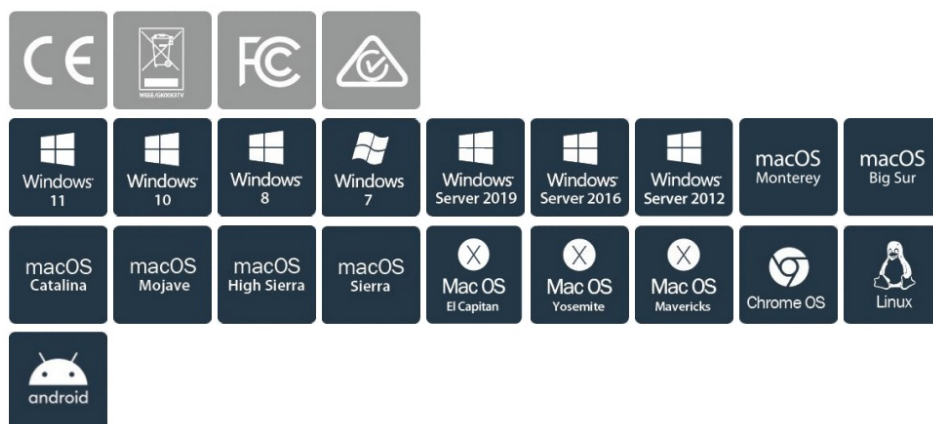
The USB Gigabit network adapter is light and compact. It features a built-in 11.8 in (30 cm) cable that helps with additional reach and flexibility while reducing cable/connector strain. Additionally, USB bus power simplifies the setup and makes it a convenient accessory while on the move. Developed to improve performance and security, [StarTech.com](https://www.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:

- **Advanced Windows Layout Utility:** To setup and save custom Windows layouts.
- **Mac Address Pass-Through Utility:** To improve network security.
- **USB Event Monitoring Utility:** To track and log connected USB devices
- **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](https://www.StarTech.com) Connectivity Tools application, please visit: www.StarTech.com/Connectivity-Tools

US1GC30B2 is backed for 2 years by [StarTech.com](https://www.StarTech.com), including free lifetime 24/5 multi-lingual technical assistance.

Certifications, Reports, and Compatibility



Features

- **USB-C NETWORK ADAPTER:** USB-C to RJ45 adapter adds an Ethernet port to your computer supporting up to Gigabit speeds with auto-sensing on 10/100/1000 Mbps BASE-T Networks; ideal for reliable wired gigabit network connections, or as an alternative to WiFi
- **FULL FEATURED:** USB-C to Ethernet dongle w/ attached 11.8in/30cm cable for longer reach reduces port connector strain – USB bus powered – Uses ASIX AX88179A Chipset for native compatibility w/ laptop, desktop computers, and 2-in-1's

- **OS COMPATIBILITY:** USB NIC adapter for laptop offers plug-and-play connectivity (no driver install required), works with Windows versions 7/8/10/11/Server, macOS 10.14/10.15/11.0/12.0/13.0, Linux distributions with kernel 4.11 to 5.9.16 LTS, and Chrome OS
- **VERSATILE DESIGN:** The USB-C to RJ45 dongle has an extended built-in 11.8in/30cm cable, providing additional reach and flexibility while reducing cable/connector strain – The USB-C NIC is conveniently powered via the USB Type-C port
- **TECHNICAL SPECS:** USB 3.2 Gen 1 Type-C (5 Gbps) – Compatible with USB 3.0/2.0; 1x RJ45 Port – 11.8in Attached Cable; 10/100/1000 Mbps – ASIX AX88179A Chipset – 9K Jumbo Frames; VLAN Tagging – Wake-on-LAN -Energy Efficient Ethernet (EEE)

Specifications

Hardware

- **Warranty:** 2 Years
- **Ports:** 1
- **Interface:** RJ45 (Gigabit Ethernet)
- **Bus Type:** USB 3.2 Gen 1 (5 Gbps)
- **Industry Standards:** IEEE802.1Q (VLAN tagging), IEEE802.3az Energy Efficient Ethernet (EEE), Wake-on-LAN (WOL), IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
- **Chipset ID:** Asix – AX88179A

Performance

- **Maximum Data Transfer Rate:**
 - 5 Gbps (USB 3.2 Gen 1)
 - 2 Gbps (Ethernet – Full Duplex)
- **Compatible Networks:** 10/100/1000 Mbps
- **Auto MDIX:** Yes
- **Full Duplex Support:** Yes
- **Jumbo Frame Support:** 9K max.
- **MTBF:** 262,800 hours

Connector(s)

- **Connector A:** 1 – USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)
- **Connector B:** 1 – RJ-45

Software

- **OS Compatibility:**
 - Windows XP, Vista, 7, 8, 8.1, 10, 11
 - Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
 - macOS 10.9 to 10.15, 11.0, 12.0, 13.0 – *VLAN tagging is currently not supported in macOS*

- Linux Kernel 2.6.14 and up – *LTS Versions only*
- ChromeOS
- Android

Special Notes / Requirements

- **System and Cable Requirements:** USB Type-C port

Power

- **Power Source:** Bus Powered
- **Input Voltage:** 5V DC
- **Output Voltage:** 5 DC

Environmental

- **Operating Temperature:** 0C to 45C (32F to 113F)
- **Storage Temperature:** -10C to 70C (14F to 158F)
- **Humidity:** 10% to 85%

Physical Characteristics

- **Color:** Gray and Black
- **Form Factor:** Attached Cable
- **Material:** ABS
- **Cable Length:** 11.8 in [300 mm]
- **Product Length:** 1.0 in [2.5 cm]
- **Product Width:** 15.2 in [38.7 cm]
- **Product Height:** 0.6 in [1.5 cm]
- **Weight of Product:** 1.0 oz [28.0 g]

Packaging Information

- **Package Quantity:** 1
- **Package Length:** 4.9 in [12.5 cm]
- **Package Width:** 9.1 in [23.0 cm]
- **Package Height:** 0.6 in [1.5 cm]
- **Shipping (Package) Weight:** 1.1 oz [32.0 g]

What's in the Box

- **Included in Package:** 1 – USB-C Network Adapter

FAQs

What is the StarTech US1GC30B2 USB-C to Ethernet Adapter?

The StarTech US1GC30B2 is a high-quality USB-C to Ethernet adapter designed to provide a reliable and fast Ethernet connection to devices with USB-C ports.

What is the purpose of a USB-C to Ethernet adapter?

A USB-C to Ethernet adapter is used to connect devices such as laptops, tablets, or smartphones with USB-C ports to wired Ethernet networks, offering a stable and high-speed internet connection.

What makes the US1GC30B2 stand out in terms of performance?

The US1GC30B2 is known for its reliable and high-speed Ethernet performance, providing a seamless internet connection for tasks like streaming, online gaming, and more.

What is the maximum data transfer speed supported by this adapter?

The StarTech US1GC30B2 supports Gigabit Ethernet speeds, which can reach up to 1000 Mbps, ensuring fast and consistent data transfer rates.

Is this adapter compatible with USB-C devices from various manufacturers?

Yes, the US1GC30B2 is designed to be compatible with a wide range of USB-C devices, including laptops, tablets, and smartphones from various manufacturers.

Is it a plug-and-play adapter or does it require driver installation?

In most cases, the US1GC30B2 is a plug-and-play adapter, which means it should work without the need for additional driver installation on compatible devices.

Can I use this adapter for both Windows and Mac devices?

Yes, the US1GC30B2 is compatible with both Windows and Mac devices, making it versatile for users with different operating systems.

Does it support Power over Ethernet (PoE)?

No, the US1GC30B2 is a standard USB-C to Ethernet adapter and does not support Power over Ethernet (PoE) functionality.

Is there a warranty for this adapter?

The StarTech US1GC30B2 USB-C to Ethernet Adapter typically comes with a warranty of Limited Lifetime from the date of purchase.

What is the cable length of this adapter?

The US1GC30B2 typically comes with a 11.8 in (300 mm) cable for flexibility in connecting to Ethernet ports.

Is this adapter suitable for travel or portable use?

Yes, the compact and portable design of the US1GC30B2 makes it suitable for travel and on-the-go internet access when you have a USB-C device.

Does it support Wake-on-LAN (WoL) functionality?

The US1GC30B2 may support Wake-on-LAN (WoL) on compatible devices, allowing you to remotely wake up your computer over the network.

What is the recommended use case for this USB-C to Ethernet adapter?

This adapter is ideal for users who need a stable and fast wired Ethernet connection on USB-C devices for tasks like streaming, online gaming, video conferencing, and more.

References: [StarTech US1GC30B2 USB-C to Ethernet Adapter – Device.report](#)