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STARTECH US1GC303APD USB-C TO GBE ADAPTER

# StarTech US1GC303APD USB-C to GbE Adapter Specifications and Datasheet

**Contents**

## StarTech US1GC303APD USB-C to GbE Adapter

USB-C to Ethernet Adapter with 3-Port USB 3.0 Hub and Power Delivery

- **Product ID:** US1GC303APD

Add powerful connectivity to your USB-C-enabled laptop, tablet, or desktop computer. Ideal for mobile use, this USB-C to Ethernet adapter plugs into your USB-C or Thunderbolt 3 port to provide wired network access and gives you three USB 3.0 Type-A ports to connect your peripheral devices. Plus you can charge your laptop as you work. It makes a great companion for your MacBook, Chromebook Pixel, Dell XPS 12, or other device.

Gain a wired internet connection virtually anywhere you go. The USB-C network adapter provides an Ethernet port that supports full Gigabit bandwidth by harnessing the performance of USB 3.0 (5 Gbps), also known as USB 3.1 Gen 1. You can connect to a network in locations where Wi-Fi is unavailable or unreliable, and quickly access large files over the network at Gigabit speed.

- Some USB Type-C laptops, tablets, and computers have only one port for external connectivity, which limits the number of peripheral devices you can use. This USB-C Ethernet adapter features a built-in hub with three USB Type-A ports, giving you the freedom to attach additional devices, such as a USB mouse or flash drive.
- You can expand the number of USB ports you have to enhance your productivity.
- Travel-sized and self-powered, this USB-C network adapter and hub provides easy portability, tucking easily into your laptop bag and eliminating the need to carry a separate Gigabit Ethernet adapter and USB-C to USB-A hub. It's ideal for mobile use, providing you with wired network connectivity wherever you go, and letting you plug in extra USB peripheral devices. It also has a built-in USB-Type-C cable so it's always there when you need it.
- The USB-C network adapter lets you power and charge your laptop as you work while powering the hub at the same time. The adapter supports Power Delivery 2.0, so instead of carrying multiple power adapters, you can use your laptop's USB-C power adapter to power both your laptop and network adapter. Note: just make sure your laptop's USB-C-based power adapter supports USB Power Delivery 2.0.
- Get up and running quickly. Simply plug the adapter into the USB Type-C port on your laptop and connect to your network. It automatically installs once you connect it, and works with a wide range of operating systems such as Windows, macOS, Linux, and Chrome OS.
- The US1GC303APD is backed by a StarTech.com 2-year warranty and free lifetime technical support.

### Certifications, Reports, and Compatibility



### Applications

- Ideal for mobile professionals who require wired network connections and USB peripheral connectivity in one convenient adapter

- Charge your laptop and your network adapter at the same time, using your laptop's USB-C power adapter

## Features

- Add powerful connectivity to your USB-C-enabled device, with a GbE RJ45 port and three USB Type-A ports
- Supports USB Power Delivery 2.0 to power and charge your laptop and network adapter, when using your laptop's USB-C-based power adapter
- Portable travel-sized network adapter and hub, ideal for mobile use
- Supports USB 3.0 (5Gbps)
- Integrated cable with reversible USB-C connector, which is Thunderbolt 3 data port compatible
- Multi-platform compatible and easy to install with native support in most operating systems (Windows, Mac, Chrome OS, Linux)
- Supports Wake-On-LAN, Energy-Efficient Ethernet, jumbo frames, full-duplex flow control, VLAN tagging, and layer 2 priority encoding

## Hardware

- **Warranty:** 2 Years

## Ports and Interface:

- **USB-C Device Port(s):** USB Power Delivery
- **USB-C Host Connection:** Yes
- **Fast-Charge Port(s):** No
- **Posts:** 3
    - USB 3.2 Gen 1 (5Gbps)
    - RJ45 (Gigabit Ethernet)
    - USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)
- **Interface:** USB 3.2 Gen 1 (5Gbps)
- **Bus Type:** USB 3.2 Gen 1 (5Gbps)

## Industry Standards:

- **USB 3.0** – Backward compatible with USB 2.0 and 1.1
- **IEEE 802.3, IEEE 802.3u, IEEE 802.3ab**
- IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3x Flow Control, 802.1q VLAN Tagging, 802.1p Layer 2 Priority Encoding
- **Chipset ID:** VIA/VLI – VL100, VIA/VLI – VL813, Realtek – RTL8153

## Performance:

- **Maximum Data Transfer Rate:** 5 Gbps (USB 3.0), 2 Gbps (Ethernet; Full-Duplex)
- **Type and Rate:** USB 3.0 – 5 Gbit/s
- **UASP Support:** Yes

- **Flow Control:** Full duplex flow control
- **Compatible Networks:** 10/100/1000 Mbps
- **Auto MDIX:** Yes
- **Full Duplex Support:** Yes
- **Jumbo Frame Support:** 9K max.

**Connector(s):**

- **Connector Type(s):**
    - 1 – USB Type-C (24 pin) USB Power Delivery Only
    - 3 – USB Type-A (9 pin, 5 Gbps)
    - 1 – RJ-45
    - 1 – USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)

**Software:**

- **OS Compatibility:**
    - Windows XP, Vista, 7, 8, 8.1, 10, 11
    - Windows Server 2003, 2008 R2, 2012, 2016, 2019, 2022
    - macOS 10.7 to 10.15, 11.0, 12.0, 13.0, 14.0 (VLAN tagging is currently not supported in macOS)
    - Linux Kernel 2.6.25 and up (LTS Versions only)

**Special Notes/Requirements:**

- **System and Cable Requirements:**
    - Available USB Type-C port – USB 3.0 (5Gbps) (host laptop's USB-C port must support USB Power Delivery 2.0)
    - Optional: USB-C power adapter
- **Note:** The adapter's USB-C port is for USB Power Delivery only. It does not support DisplayPort alt mode or data transfers.

**Power:**

- **Power Source:** USB-Powered
- **Power Delivery:** 60W
- **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:** 10~90% RH (Non-condensing)

**Physical Characteristics:**

- **Color:** Black
- **Form Factor:** Compact
- **Material:** Plastic
- **Cable Length:** 5.9 in [15 cm]
- **Product Dimensions:**
    - **Length:** 3.7 in [9.5 cm]
    - **Width:** 1.6 in [4.1 cm]
    - **Height:** 0.7 in [1.7 cm]
- **Weight:** 1.6 oz [46.0 g]

**Packaging Information:**

- **Package Quantity:** 1
- **Package Dimensions:**
    - **Length:** 6.6 in [16.8 cm]
    - **Width:** 5.7 in [14.6 cm]
    - **Height:** 1.3 in [3.4 cm]
- **Shipping (Package) Weight:** 4.0 oz [114.0 g]

**What's in the Box:**

- **Included in Package:**
    - 1 – USB hub
    - 1 – Quick-start guide

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

For the Quick Start Guide, please visit **https://manuals.plus/StarTech/StarTech-US1GC303APD-USB-C-to-GbE-Adapter-Quick-Start-Guide**

## Frequently Asked Questions

What is the StarTech US1GC303APD USB-C to GbE Adapter?

The StarTech US1GC303APD is a USB-C to Ethernet adapter with a built-in 3-port USB 3.0 hub and Power Delivery capability. It allows you to add wired network connectivity and expand your USB connectivity options to a USB-C-enabled laptop, tablet, or desktop computer.

What are the key features of StarTech US1GC303APD adapter?

This adapter offers a Gigabit Ethernet (GbE) port for fast and reliable network connectivity, three USB 3.0 Type-A ports for connecting USB peripherals, and Power Delivery 2.0 support, enabling you to charge your laptop while using the adapter.

What devices is StarTech US1GC303APD adapter compatible with?

The adapter is compatible with USB-C-enabled laptops, tablets, and desktop computers. It is designed to be a companion for devices such as MacBooks, Chromebook Pixel, Dell XPS 12, and other USB-C-equipped devices.

How does StarTech US1GC303APD adapter provide a wired internet connection?

The USB-C network adapter provides a full Gigabit Ethernet (GbE) connection by utilizing the performance of USB 3.0 (5 Gbps), also known as USB 3.1 Gen 1. It allows you to connect to a wired network in areas where Wi-Fi is unavailable or unreliable.

What is the advantage of the StarTech US1GC303APD built-in 3-port USB 3.0 hub?

The built-in hub with three USB Type-A ports expands your USB connectivity options, allowing you to connect additional USB peripherals like mice, flash drives, or external hard drives. This enhances your productivity by providing more USB ports.

Is the StarTech US1GC303APD adapter travel-friendly?

Yes, the adapter is travel-sized and self-powered, making it easy to carry in your laptop bag. It eliminates the need to carry a separate Gigabit Ethernet adapter and USB-C to USB-A hub, making it ideal for mobile use.

Can I charge my laptop while using the StarTech US1GC303APD adapter?

Yes, the adapter supports Power Delivery 2.0, allowing you to charge your laptop while using the network adapter. You can use your laptop's USB-C power adapter for both your laptop and the adapter. Ensure your laptop's power adapter supports USB Power Delivery 2.0.

How do I install and use the StarTech US1GC303APD adapter?

Simply plug the adapter into the USB Type-C port on your laptop and connect it to your network. It automatically installs once connected and works with a wide range of operating systems, including Windows, macOS, Linux, and Chrome OS.

What certifications and compatibility does the StarTech US1GC303APD adapter have?

The adapter is certified and compatible with USB 3.0, IEEE 802.3 standards, and supports various features like Wake-On-LAN, Energy-Efficient Ethernet, jumbo frames, full-duplex flow control, VLAN tagging, and layer 2 priority encoding.

What is the warranty and support for StarTech US1GC303APD adapter?

The US1GC303APD is backed by a StarTech.com 2-year warranty and offers free lifetime technical support.

Can I use StarTech US1GC303APD adapter with my MacBook?

Yes, this adapter is compatible with MacBooks and various other USB-C-enabled devices, making it a suitable accessory for MacBook users.

What is the maximum data transfer rate supported by the USB 3.0 ports on StarTech US1GC303APD adapter?

The USB 3.0 ports on the adapter support a maximum data transfer rate of 5 Gbps, which is equivalent to USB 3.1 Gen 1 speed.

**Reference: [StarTech US1GC303APD USB-C to GbE Adapter Specifications and Datasheet-device.report](#)**

## References

- **[User Manual](#)**