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StarTech US1GC301AU Gigabit Network Adapter

StarTech US1GC301AU Gigabit Network Adapter Specifications and Datasheet

Contents

StarTech.com

StarTech US1GC301AU Gigabit Network Adapter

USB-C to Gigabit Network Adapter with Extra USB 3.0 Port – Black

- **Product ID:** US1GC301AU

- Now, you can easily connect to a Gigabit network through the USB-C or Thunderbolt 3 port on your laptop or desktop computer, and add connectivity for an additional USB (Type-A) peripheral device. It's a great companion for your MacBook, Chromebook Pixel, Dell XPS 12, Dell Latitude 12 7000 Series 2-in-1 or other devices.
- The USB-C network adapter supports full Gigabit bandwidth by harnessing the performance of USB 3.1 Gen 1 (5 Gbps). You can quickly access very large files over the network at Gigabit speed.
- Get up and running quickly. Simply plug the adapter into the USB Type-C port on your laptop and connect to your network. The network adapter chipset provides native driver support in Chrome OS and Windows 8.1, and supports Mac OSX (10.10) with driver installation.
- The USB-C connector is smaller and easier to use than previous USB connectors. It's a reversible plug so you can connect to your devices with either side facing up, without frustration or the risk of port damage.
- With a compact design, this USB-C network adapter is as portable as your laptop, perfect for ultra-portable devices that have a USB-C port, such as the MacBook and Chromebook Pixel. The network adapter is bus-powered which makes it easy to connect when you're on the go.
- Some computers with USB Type-C only offer one port for external connectivity. This Ethernet adapter features a built-in USB Type-A port, giving you the freedom to attach an additional peripheral device, such as a USB mouse.
- Developed to improve performance and security, 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:
    - **Mac Address Pass-Through Utility:** To improve network security.
    - **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 Connectivity Tools application, please visit:
    www.StarTech.com/Connectivity-Tools

- The US1GC301AU is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

- Add Gigabit Ethernet capabilities to your MacBook, Chromebook Pixel, Dell XPS 12 or Dell Latitude 12 7000 Series 2-in-1
- Turn your USB-C port into a Gigabit LAN RJ45 port
- Add an extra USB peripheral along with your network adapter

Features

- Add a Gigabit Ethernet network connection to your computer through a USB Type-C port
- Works with the newest MacBook, Chromebook Pixeland other laptop and desktop computers with a USB-C port
- Thunderbolt 3 port compatible
- Add a USB Type-A port to your computer for connecting an additional peripheral device
- Native driver support in Chrome OS and Windows 8.1 for easy set-up
- Supports Mac OS 10.10 with driver installation
- Powered directly from the USB port
- Compact, lightweight design for maximum portability
- Supports 10/100/1000 Mbps auto-detection
- IEEE 802.3, 802.3u and 802.3ab compatible
- IEEE 802.1Q VLAN Tagging support
- Built-in Checksum and Large Send Offload
- Up to 4K Jumbo Frame support
- Wake-On-LAN support
- IEEE 802.3az Energy Efficient Ethernet support
- CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

Specifications

Hardware:

- **Warranty**: 2 Years
- **Ports**: 1
- **Interface**: RJ45 (Gigabit Ethernet)
- **Bus Type**: USB 3.2 Gen 1
- **USB Pass-Through**: Yes
- **Industry Standards**: IEEE 802.3, 802.3u, and 802.3ab
- **Chipset ID**: ASIX – AX88179A, VIA/VLI – VL817

Performance

- **Maximum Data Transfer Rate**: 5 Gbps (USB 3.1 Gen 1)
- **Type and Rate**: USB 3.2 Gen 1 – 5 Gbit/s
- **Compatible Networks**: 10/100/1000 Mbps
- **Auto MDIX**: Yes
- **Full Duplex Support**: Yes
- **Jumbo Frame Support**: 4K max.

Connector(s)

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

Software

- **OS Compatibility**:
    - Windows XP, Vista, 7, 8, 8.1, 10, 11
    - Windows Server 2003, 2008 R2, 2012
    - macOS 10.6 to 10.15, 11.3 to 14.0 (VLAN tagging is currently not supported in macOS)
    - Linux Kernel 2.6.25 and up (LTS Versions only)

Special Notes / Requirements:

- **Note**: Jumbo Frames are no longer supported in macOS

Indicators

- **LED Indicators**:
    - 1 – Green: 10/100 Link/Activity
    - 1 – Amber: Gigabit Link/Activity

Power:

- **Power Source**: USB-Powered

- **Input Voltage**: 5V DC
- **Output Voltage**: 5 DC

Environmental:

- **Operating Temperature**: 0°C to 50°C (32°F to 122°F)
- **Storage Temperature**: -10°C to 60°C (14°F to 140°F)
- **Humidity**: 5% ~ 80% RH

Physical Characteristics

- **Color**: Black
- **Form Factor**: Attached Cable
- **Material**: Plastic
- **Cable Length**: 8.0 in [20.3 cm]
- **Product Length**: 10.8 in [27.5 cm]
- **Product Width**: 1.4 in [3.5 cm]
- **Product Height**: 0.7 in [1.7 cm]
- **Weight of Product**: 1.3 oz [38.0 g]

Packaging Information

- **Package Quantity**: 1
- **Package Length**: 6.5 in [16.6 cm]
- **Package Width**: 5.7 in [14.4 cm]
- **Package Height**: 1.2 in [3.0 cm]
- **Shipping (Package) Weight**: 3.2 oz [90.0 g]

What's in the Box

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

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

Frequently Asked Questions

What is the StarTech US1GC301AU Gigabit Network Adapter used for?

The StarTech US1GC301AU Gigabit Network Adapter is used to connect your laptop or desktop computer to a Gigabit network through a USB-C or Thunderbolt 3 port, while also providing an additional USB 3.0 Type-A port for connecting other peripherals.

Is the StarTech US1GC301AU compatible with MacBooks and Chromebook Pixel?

Yes, the StarTech US1GC301AU is compatible with the newest MacBook, Chromebook Pixel, and other

devices with USB-C ports.

Does the StarTech US1GC301AU require external power?

No, the StarTech US1GC301AU is bus-powered, meaning it gets its power from the USB port, making it convenient for on-the-go use.

Does StarTech US1GC301AU support Wake-On-LAN (WoL)?

Yes, the StarTech US1GC301AU supports Wake-On-LAN (WoL), allowing you to wake up your computer remotely over the network.

What operating systems are compatible with the StarTech US1GC301AU?

The StarTech US1GC301AU is compatible with Windows XP, Vista, 7, 8, 8.1, 10, 11, Windows Server 2003, 2008 R2, 2012, macOS 10.6 to 10.15, and 11.3 to 14.0 (please note that VLAN tagging is currently not supported in macOS), as well as Linux Kernel 2.6.25 and up (LTS Versions only).

Does StarTech US1GC301AU come with any software utilities?

Yes, it comes with the StarTech.com Connectivity Tools application, which includes features like MAC Address Pass-Through Utility for network security and Wi-Fi Auto Switch Utility for faster network speeds via wired LAN.

What is the warranty for the StarTech US1GC301AU Gigabit Network Adapter?

The StarTech US1GC301AU is backed by a StarTech.com 2-year warranty and free lifetime technical support.

How do I install the drivers for the StarTech US1GC301AU on my Windows computer?

For Windows 8.1 and later versions, the adapter provides native driver support, so it should be automatically recognized and installed when you connect it to your USB-C port. However, if you encounter any issues, you can download the latest drivers from the StarTech.com website.

Can I use the StarTech US1GC301AU with a Thunderbolt 3 port?

Yes, the StarTech US1GC301AU is compatible with Thunderbolt 3 ports, making it versatile and suitable for various devices with USB-C or Thunderbolt 3 connectivity.

Does the USB Type-A port on the StarTech US1GC301AU adapter support USB 3.0 or USB 2.0 speeds?

The USB Type-A port on the adapter supports USB 3.0 speeds (5 Gbps), providing fast data transfer for compatible peripherals.

Can I use the StarTech US1GC301AU on a Linux-based computer?

Yes, the adapter is compatible with Linux Kernel 2.6.25 and up (LTS Versions only). However, you may need to install the necessary drivers and configurations depending on your Linux distribution.

What is the purpose of the IEEE 802.1Q VLAN Tagging support on StarTech US1GC301AU adapter?

IEEE 802.1Q VLAN Tagging support allows you to segregate network traffic into different virtual LANs, providing better network management and security. It is especially useful in enterprise or business network setups.

Reference: [StarTech US1GC301AU Gigabit Network Adapter Specifications and Datasheet-device.report](#)

References

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