

SABRENT



USB4 TO 10GbE NETWORK ADAPTER

NT-P10G USER MANUAL

FEATURES

- Adds a 10 Gigabit Ethernet (10GbE) RJ45 port over USB Type-C for USB4 and Thunderbolt 3/4 host devices
- Transfers at up to 10Gbps at 100 meters or more with compliant networking hardware
- Backward compatible with 5GbE, 2.5GbE, 1GbE, Fast Ethernet, and Ethernet networks
- Aluminum alloy casing for durability and heat dissipation, with status LEDs
- Bus-powered with no external power source required
- Supports common features such as WOL and PXE

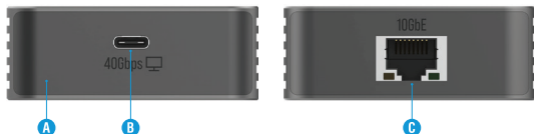
SUPPORTED OPERATING SYSTEMS

- Windows 10+
- macOS 10.12+/11.0+
- Linux 3.10+

PACKAGE CONTENTS

- USB4 to 10GbE Network Adapter
- USB4 cable (0.8m)

PRODUCT OVERVIEW

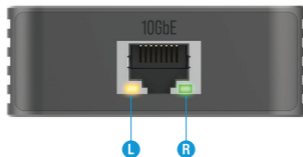


A. Ethernet adapter aluminum alloy casing

B. USB Type-C port

C. 10GbE RJ45 port

LED STATUS INDICATORS



If the left LED is a solid light green, the adapter is connected at the maximum 10GbE speed. If the left LED is a solid amber, the adapter is connected at a speed lower than 10GbE. Check your host operating system for more information in the latter case.

If the right LED is flashing green, the adapter has an active connection.

GETTING STARTED

Step 1. Install the appropriate AQC113 adapter and host USB/Thunderbolt controller drivers required for operation. Drivers for supported operating systems are available on our and Marvell's websites. Some operating systems may support this adapter natively.



Step 2. Insert a USB Type-C cable into the adapter and then into a free port on the host device. For optimal performance, use our or another quality cable with a USB4 or Thunderbolt 3/4 USB-C port.



Step 3. Connect the Ethernet adapter to the networking device of your choice. For optimal performance the network cable should be capable of handling the desired connection speed given length considerations. CAT6a or better is required for the standard 100m.

Note: Avoid operation below freezing or over 40°C/104°F or in areas of extremely high or low humidity. Do not operate the device near liquids. Avoid unnecessary bending or stress of all cables.

FREQUENTLY ASKED QUESTIONS

Q. Does my system support this adapter?

A. This adapter is designed for USB4 and Thunderbolt 3/4 systems with an up-to-date operating system. It is not designed to work with standard USB ports. It will work with Windows 10+, macOS 10.12+ for Thunderbolt 3 and 11.0+ for USB4/Thunderbolt 4, and Linux 3.10+ systems with a compatible port. Support in some cases will be native, in other cases a driver download is required.

Q. How do you get the best performance out of the adapter?

A. For the best networking performance, ensure quality cables and networking hardware are used from end to end. Recommended is CAT6a or better at up to 100 meters. Performance is dependent on the negotiated speed, from 10GbE down to 10M.

Q. Is there any delay in connection when using the adapter?

A. On some systems it may take some time for the adapter to be sensed and for it to get a working network connection. Initialization can range up to 15-30 seconds. Please be patient.

Q. What adapter settings should be modified to further optimize performance?

A. Additional settings for the adapter can be configured through adapter or driver settings/properties in Windows, via the Device Manager or Network Connections control panel. Other operating systems have different ways to make changes. Suggested changes include the enabling of jumbo frame support at the maximum value, an increase in receive buffers to the maximum value, an increase in buffer sizes for larger data transfers, and more. Specific link speeds and MTU can also be set here to match your overall network settings for the best consistency. Power settings may also be altered for power savings or for better responsiveness.

Note: If you are having reliability issues on Windows with a 10GbE connection or in environments requiring the lowest latency and highest data transfer integrity, it is recommended to disable the Energy-Efficient Ethernet feature. This setting can be accessed through the Advanced tab of the adapter's properties. The adapter may be found through advanced network settings or in the Device Manager under network adapters.



FOR HELP, COMMENTS, QUESTIONS OR CONCERNS
PLEASE CONTACT OUR TECH SUPPORT TEAM VIA OUR WEBSITE

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