

Thunderbolt 3 to Ethernet Adapter, 10GbE - Multi-Gigabit, Thunderbolt 3 to RJ45 Network Adapter - 10GBASE-T/5-2.5GBASE-T NIC - 10G Network Adapter w/ TB3-Certified Cable, Win/Mac

**Product ID:** TB310G2



This Thunderbolt to Ethernet 10G adapter is a robust and durable solution for IT professionals looking to add an RJ45 port to their Thunderbolt-enabled computer. This adapter supports multi-gigabit speeds, including 10/5/2.5/1Gb/s and 100Mb/s Base-T speeds. In addition, 10GBASE-T and 5GBASE-T/2.5GBASE-T (NBASE-T) capabilities ensure compatibility with the latest network switches and access points.

A Thunderbolt 3 to RJ45 is the ideal accessory for bandwidth-intensive tasks, server maintenance, high-performance storage, or streaming online content. The adapter is powered by the Marvell AQC107S, providing high-speed 10GbE speeds and supports plug-and-play in Windows and macOS for straightforward deployment.

This Thunderbolt 3 NIC is a portable and convenient peripheral for on-the-go users with a footprint of just 4.27x2.9x1.14in (108.5x75x29.1mm). The aluminum chassis utilizes passive cooling for noiseless operation. Activity and computer link LEDs provide status at a glance.

The Thunderbolt to NIC adapter includes a certified 27.5in (70cm) Thunderbolt 3 cable, which ensures maximum performance on Thunderbolt 3 and 4 computers.

This TAA-compliant Thunderbolt 3 NIC is backed for two years, including free lifetime 24/5 multi-lingual technical assistance.

## Certifications, Reports and Compatibility





## Applications

## Features

- **THUNDERBOLT 3 TO ETHERNET ADAPTER:** Thunderbolt Ethernet Adapter adds one multi-Gigabit RJ45 port to a Thunderbolt 3/4 enabled computer enabling connection to 1G, 2.5G, 5G, and 10G networks
- **FULL 10G PERFORMANCE:** Leverage the high-speed capabilities of Thunderbolt 3 to attain speeds of up to 10GbE, using this Thunderbolt to Ethernet NIC Adapter; Marvell AQC107S chipset facilitates plug and play (PnP) support on Windows and macOS
- **USER FRIENDLY:** Included detachable 27.5in (70cm) Thunderbolt 3 cable ensures reliable network performance; Simplify deployment, installation, and maintenance with features such as Wake-on-LAN, Status LEDs, Autonegotiation, and NBASE-T support
- **PORTABLE AND DURABLE:** Bus-powered Thunderbolt 3 (TB3) 10G Network Adapter features a compact and portable form factor; Durable all-aluminum chassis acts as a heatsink, for silent passive cooling
- **CONNECTIVITY TOOLS:** Optimize the performance and security of this Thunderbolt to Gigabit Ethernet Adapter, using the included MAC Address Changer, USB Event Monitoring, Windows Layout & Wi-Fi Auto Switch utilities (available for download)

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## Hardware

Warranty	2 Years
Ports	1
Bus Type	Thunderbolt 3
Port Style	External Hub
Industry Standards	IEEE 802.3an (10GBASE-T) 802.3bz (5GBASE-T) 802.3bz (2.5GBASE-T) IEEE 802.3ab (1000BASE-T) IEEE 802.3u (100BASE-T)
Chipset ID	Intel - Alpine Ridge JHL6340 Marvell - AQC107S

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## Performance

Maximum Cable Length	0.3 ft [0.1 m]
Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
Auto MDIX	Yes
PXE	No
Full Duplex Support	Yes
Jumbo Frame Support	16K max.
Promiscuous Mode	Yes

## Connector(s)

External Ports	1 - RJ-45 1 - Thunderbolt 3 USB-C (24-pin) (40Gbps)
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## Software

OS Compatibility	Windows 10, 11 macOS 10.15 to 14.x
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## Special Notes / Requirements

System and Cable Requirements	Requires a Thunderbolt 3 or 4 port on the host computer
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## Indicators

LED Indicators	1 - 10 Gbps Link: Green Solid 1 - 5G/2.5G/1G/100Mbps Link: Orange Solid 1 - Activity: Green Blinking
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## Power

Power Source	Bus Powered
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## Environmental

Operating Temperature	35C to 55C (95F to 131F)
Storage Temperature	35C to 50C (95F to 122F)
Humidity	20% ~ 80% RH

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**Physical Characteristics**

Color	Space Gray
Form Factor	Separate Cable
Material	Aluminum
Cable Length	27.6 in [700 mm]
Product Length	3.0 in [7.5 cm]
Product Width	4.3 in [10.8 cm]
Product Height	1.1 in [2.9 cm]
Weight of Product	1.1 lb [0.5 kg]

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**Packaging Information**

Package Quantity	1
Package Length	5.4 in [13.7 cm]
Package Width	6.7 in [17.1 cm]
Package Height	3.0 in [7.6 cm]
Shipping (Package) Weight	1.5 lb [0.7 kg]

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**What's in the Box**

Included in Package	1 - Ethernet Network Adapter
	1 - 27.5 in (70 cm) Thunderbolt 3 Cable
	1 - Quick-Start Guide

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