

## Thunderbolt 3 to 10GBase-T Ethernet Adapter

**Product ID:** TB310G



This Thunderbolt 3 to 10Gb Ethernet adapter connects Thunderbolt 3 enabled devices to a wired Ethernet network, with support for 10Gb/s, 5Gb/s, 2.5Gb/s, 1Gb/s and 100Mb/s Base-T speeds.

Increase your data transfer speeds by harnessing the performance of Thunderbolt 3. This Ethernet adapter adds a single RJ45 Ethernet port with 10 Gigabit support to help easily access very large files over the network at increased 10Gbps speeds.

The 5-speed Thunderbolt 3 to 10GbE adapter uses premium chipsets, providing a low-power, high-performance NBASE-T solution. The 10GBASE-T standard supports 10Gbps speeds over existing CAT6a or better cabling at distances of up to 100 m. The Tehuti TN4010 controller chipset is compliant with 802.3az Energy Efficient Ethernet and ensures peak operating efficiency with reduced power consumption in bandwidth-intensive workstation applications.

This Thunderbolt 3 NIC is an easy addition to any modern workstation. Taking up only 12 square inches of desk space and fully bus-powered, it's extremely portable with a small footprint. The fanless design means the adapter is noiseless (0dB), so you can set up in an open office space without being disruptive. It's ideal for virtually any type of workspace or environment, including remote desks and modern open-concept offices.

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](http://www.StarTech.com/Connectivity-Tools)

This Thunderbolt 3 to 10GbE adapter is backed by a 2-year warranty and free lifetime multilingual technical support.

## Certifications, Reports and Compatibility

### Applications

- Home offices or remote work stations
- Modern open office setups
- For Thunderbolt 3 enabled computers

### Features

- Supports auto-negotiation for 10Gb/s, 5Gb/s, 2.5Gb/s, 1Gb/s and 100Mb/s Base-T speeds
- Provides an RJ45 10Gbps Ethernet connection
- Reversible USB Type C connector with a Thunderbolt 3 interface
- Achieves 10Gbps connection over 100m with CAT6a cable
- Fanless design with aluminum chassis
- CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

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#### Hardware

Warranty	2 Years
Bus Type	Thunderbolt 3
Industry Standards	IEEE 802.3an (10GBASE-T)  IEEE 802.3ab (1000BASE-T )  IEEE 802.3u (100BASE-TX ) NBase-T (5GBASE-T)   NBase-T (2.5GBASE-T)  IEEE 802.1q (VLAN Tagging) IEEE 802.3ad (Link Aggregation)
Chipset ID	Intel - Alpine Ridge DSL6340  Tehuti TN4010  Marvell 88X3310PA1

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#### Performance

Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
Auto MDIX	Yes
PXE	No
Full Duplex Support	Yes

Jumbo Frame Support 9K max.

Promiscuous Mode Yes

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**Connector(s)**

Connector Type(s) Thunderbolt 3 USB-C (24-pin) (40Gbps)

External Ports RJ-45

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**Software**

OS Compatibility Windows 7<br/>Windows 8/8.1<br/>Windows 10<br/>Windows 11<br/>Windows Server 2008 R2 <br/>Windows Server 2012 R2 <br/>Windows Server 2016 <br/>Mac OS 10.11 - 10.14

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**Special Notes / Requirements**

System and Cable Requirements Requires a Thunderbolt 3 port with 15W of power

Note Due to technical limitations of the IC solution, max bandwidth is limited to about 7.5 Gbps

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**Indicators**

LED Indicators Solid White - Thunderbolt 3 is connected to host laptop  
  
Solid Green - RJ45 link speed of 1G, 2.5G, or 5G  
  
Solid Orange - RJ45 link speed of 10G

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**Environmental**

Operating Temperature 5C ~ 35C  
  
Storage Temperature -20C ~ 50C  
  
Humidity 20%RH ~ 80%RH

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**Physical Characteristics**

Color Black  
  
Form Factor Separate Cable  
  
Material Aluminum  
  
Cable Length 11.8 in [30 cm]  
  
Product Length 4.0 in [10.2 cm]



Product Width	3.0 in [75.0 mm]
Product Height	1.1 in [29.0 mm]
Weight of Product	11.4 oz [322.0 g]

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**Packaging Information**

Package Length	6.7 in [17.0 cm]
Package Width	5.4 in [13.6 cm]
Package Height	3.0 in [75.0 mm]
Shipping (Package) Weight	17.0 oz [482.0 g]

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**What's in the Box**

Included in Package	Network Adapter
	Thunderbolt 3 Cable
	Travel Pouch
	Quick-Start Guide

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

