

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.

Accelerated Network Connection

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.

Advanced Technology for Optimal Performance with Thunderbolt 3

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.

Quiet & Compact Design

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.

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

Hardware	Warranty	2 Years
	Bus Type	Thunderbolt 3
	Chipset ID	Intel - Alpine Ridge DSL6340 Tehuti TN4010 Marvell 88X3310PA1
	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)
Performance	Auto MDIX	Yes
	Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	Promiscuous Mode	Yes
	PXE	No
Connector(s)	Connector Type(s)	1 - Thunderbolt™ 3 USB-C (24-pin) (40Gbps) Female
	External Ports	1 - RJ-45 Female
Software	OS Compatibility	Windows 7 Windows 8/8.1 Windows 10 Windows Server 2008 R2 Windows Server 2012 R2 Windows Server 2016 Mac OS 10.11 - 10.14
Special Notes / Requirements	Note	Due to technical limitations of the IC solution, max bandwidth is limited to about 7.5 Gbps
	System and Cable Requirements	Requires a Thunderbolt 3 port with 15W of power
Indicators	LED Indicators	1 - Solid White - Thunderbolt 3 is connected to host laptop 1 - Solid Green - RJ45 link speed of 1G, 2.5G, or 5G 1 - Solid Orange - RJ45 link speed of 10G
Environmental	Humidity	20%RH ~ 80%RH
	Operating Temperature	5°C ~ 35°C
	Storage Temperature	-20°C ~ 50°C
Physical Characteristics	Cable Length	11.8 in [30 cm]

	Color	Black
	Form Factor	Separate Cable
	Material	Aluminum
	Product Height	1.1 in [2.9 cm]
	Product Length	4 in [10.2 cm]
	Product Width	3 in [75 mm]
	Weight of Product	11.4 oz [322 g]
Packaging Information	Package Height	3 in [75 mm]
	Package Length	6.7 in [17 cm]
	Package Width	5.4 in [13.6 cm]
	Shipping (Package) Weight	17 oz [482 g]
What's in the Box	Included in Package	1 - Network Adapter
		1 - Thunderbolt 3 Cable
		1 - Travel Pouch
		1 - Quick-Start Guide
	Auto-Negotiation	Yes

Product appearance and specifications are subject to change without notice.