USB4 to Ethernet Adapter, 10GbE, Multi-Gigabit, Thunderbolt Compatible, 10GBASE-T/5G/2.5G NIC, 10G Ethernet Adapter, 0.5m USB4 Cable, Win/Mac, TAA

Product ID: USB4-10GBE-ETHERNET



This high-performance 10G Ethernet adapter is a robust and durable solution for IT professionals looking to add an RJ45 port to a USB-C enabled computer. It supports multi-gigabit speeds, including 10/5/2.5/1Gbps and 100Mbps Base-T. Additionally, 10GBASE-T and 5GBASE-T/2.5GBASE-T (NBASE-T) capabilities ensure compatibility with modern network switches and access points.

Ideal for bandwidth-intensive tasks, server maintenance, high-performance storage, or streaming, this adapter is powered by the Marvell AQC113 chipset. It delivers reliable 10GbE performance and supports plug-and-play installation in Windows and macOS environments.

Unlike USB3 adapters that lean on the host CPU to manage network traffic, the USB4-10GBE-ETHERNET uses the Marvell AQC113 chipset to handle all packet processing in hardware. On Mac and PC alike, that means sustained 10GbE transfers (large files, 4K/8K source media, cloud sync) without hitting CPU headroom you need for everything else running at the same time.

Compact and travel-ready, this adapter measures just 4.27x2.9x1.14in (108.5x75x29mm). The aluminum chassis supports passive cooling for silent operation. Built-in LEDs indicate activity and link status at a glance.

A detachable 19.6in (50cm) USB-C cable is included to support flexible installation and maintain consistent performance across compatible USB-C and Thunderbolt 4 ports.

Note: Requires PCIe tunneling and may not work on all USB-C systems; USB-only mode is not supported.

Developed to improve performance and security, StarTech 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.

Visit www.StarTech.com/Connectivity-Tools for more information and to download the StarTech Connectivity Tools.

Certifications, Reports and Compatibility



Applications

• Ideal for bandwidth-intensive tasks, server maintenance, high-performance storage, or streaming

• Compact and travel-ready with an aluminum chassis

• Adds a multi-Gigabit RJ45 port to a USB-C computer

Features

• USB4 to 10G Ethernet Adapter: Adds multi-Gigabit RJ45 port to a USB-C (USB4 Gen 4x4 TB5 TB4 TB3 compatible) computer, enabling connection to 100Mbps, 1G, 2.5G, 5G, 10G networks; Ideal for delivering fast, stable wired connectivity on USB-C devices

• Full 10Gbps Performance: Transfer large files or work directly from the cloud with a reliable 10GbE connection, ideal for 4K/8K editing, large data transfers, and high-speed cloud access; Easy setup on Windows 10/11 and auto-install on macOS 12.4+

• Smart Design for Quick Integration: Detachable 19.6in (50cm) USB4 cable and advanced features like Wake-on-LAN, Autonegotiation, and NBASE-T deliver a clean, flexible setup; Status LEDs provide clear connection feedback for easy deployment and monitoring

• Portable and Durable: Compact, bus-powered adapter features an all-aluminum housing for optimized heat dissipation and silent passive cooling; Ideal for travel, remote work, or dynamic IT environments where reliability and portability matter

• The IT Pro's Choice: Designed for reliability in edge and on-prem deployments; TAA compliant and lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

General

UPC	065030911375
Warranty	2 Years

Physical & Environmental

Color	Gray
Network Adapter Form Factor	Separate Cable
Cable Length	19.7 in [50 cm]
Product Length	4.3 in [10.9 cm]
Product Width	3.0 in [75 mm]
Product Height	1.1 in [28.5 mm]
Weight of Product	6.6 oz [186 g]
Operating Temperature	5C to 55C (41F to 131F)
Storage Temperature	-20C to 50C (-4F to 122F)
Humidity	20% ~ 80% RH

Performance

Compatible Networks	10 Gbps/5G/2.5G/1G/100 Mbps
Auto MDIX	Yes
PXE	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
Wake-On-LAN (WOL)	Yes
MTBF	50,000 Hours

Hardware

Number of Ports	1
Bus Type	USB4 (40Gbps)
	Thunderbolt 3
	Thunderbolt 4
	Thunderbolt 5
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	Asm2464PDx
		AQC113-B1
	LED Indicators	1 - USB-C port to connect host
		1 - RJ45
Packaging & In-the-Box		
	Included in Package	1 - USB4 Network Adapter
		1 - 20in (50cm) USB4 40Gbps Cable
		1 - Product Documentation
	Package Width	5.3 in [13.4 cm]
	Package Depth	6.7 in [17 cm]
	Package Height	2.9 in [74 mm]
	Shipping (Package) Weight	10.9 oz [310 g]
Connector(s)		
	Connector 1 (Quantity)	1
	Connector 1	RJ-45
	Connector 2 (Quantity)	1
	Connector 2	USB-C (40Gbps, 100W PD Input)

Product appearance and specifications are subject to change without notice.