

USB-C to Ethernet Adapter, 10GbE, Multi-Gigabit, USB 20Gbps, 10G/5G/2.5G/1G, Thunderbolt & USB4 Compatible, Windows/Mac/Linux

Product ID: STUSBC3-10G-ETHERNET



This USB-C to 10GbE network adapter adds multi-gigabit RJ45 connectivity to laptops, desktops, mini PCs, and workstations, with 10G/5G/2.5G/1G auto-negotiation for existing network infrastructure.

Handle large file transfers, backups, server maintenance, and network troubleshooting at up to 10Gbps. Standard RJ45 connectivity, VLAN tagging, and QoS support help integrate the adapter into segmented enterprise networks.

Achieve up to 10Gbps throughput on Windows 11 and macOS 27 systems. The Realtek RTL8159 controller and USB 3.2 Gen 2x2 interface support high-bandwidth network tasks. For optimal performance, connect to a USB 3.2 Gen 2x2 host using Cat6a cabling.

Standardize one adapter across compatible Windows, macOS, and Linux systems, including USB4 and Thunderbolt 5/4/3 hosts. Bus-powered operation simplifies deployment, while a visible MAC address supports pre-deployment provisioning.

Support extended use with a fanless aluminum housing, heat sink, and thermal silicone for passive heat management. Reinforced RJ45 construction withstands repeated connections during deployments and IT support, while Wake-on-LAN enables remote maintenance.

Certifications, Reports and Compatibility



Applications

- Upgrade USB-C workstations for faster access to NAS, servers, and other high-bandwidth network resources
- Add 10GbE connectivity to USB-C, USB4, and Thunderbolt laptops or desktops without built-in high-speed Ethernet
- Connect USB-C systems to multi-gigabit enterprise networks in offices, labs, and IT environments

Features

- Accelerate High-Bandwidth Network Tasks: Add 10GbE connectivity to a USB-C workstation for bandwidth-intensive network applications; Realtek RTL8159 controller supports up to 10Gbps device throughput (use Cat6a cabling for optimal performance)
- Integrate Across Multi-Gigabit Networks: Connect to 10G/5G/2.5G/1G networks through a standard RJ45 port with automatic speed negotiation, VLAN tagging, and QoS traffic prioritization for enterprise network environments
- Simplify Deployment Across USB-C Systems: Supports Windows, macOS, and Linux across USB-C, USB4 and Thunderbolt 5/4/3 systems; Bus-powered, plug-and-play operation simplifies installation while a visible MAC address enables pre-deployment provisioning
- Take Reliable 10GbE on the Go: Compact, bus-powered adapter features an 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; Lab-tested and field-proven for seamless integration and maximum uptime; Backed by free lifetime 24/5 multi-lingual technical assistance

General

UPC	065030925440
Warranty	2 Years

Special Notes / Requirements

System and Cable Requirements	USB-C port; USB 3.2 Gen 2x2 required for 10Gbps; Cat6a cable recommended
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Power

Power Source	Bus Powered
Plug Type	USB-C

Physical & Environmental

Color	Black & Space Gray
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Material	Aluminum
Cable Length	6.3 in [16 cm]
Product Length	1.3 in [34.1 mm]
Product Width	3.0 in [76.2 mm]
Product Height	0.6 in [15.3 mm]
Weight of Product	1.4 oz [40 g]
Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-10C to 70C (14F to 158F)
Humidity	10 to 85% RH

Performance

Maximum Data Transfer Rate	10 Gbps
Flow Control	Full Duplex (IEEE 802.3x)
Compatible Networks	10G/5G/2.5G/1G/100Mbps/10Mbps
Auto-Negotiation	Yes
Auto MDIX	Yes
Full Duplex Support	Yes
PXE	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
Wake-On-LAN (WOL)	Yes
MTBF	1397342

Hardware

Bus Type	USB 20Gbps
Industry Standards	IEEE 802.3an (10GBASE-T)
	IEEE 802.3bz (5GBASE-T)
	IEEE 802.3bz (2.5GBASE-T)

	IEEE 802.3ab (1000BASE-T)
	IEEE 802.3u (100BASE-T)
	IEEE 802.3i (10BASE-T)
Chipset ID	Realtek - RTL8159
LED Indicators	1 - Indicates Network Adapter Activity:• Solid Green = Network port is connected• Flashing Green = Network port is active 1 - Indicates Link Speed:• Solid Green = Highest Link Speed (ex. 10Gbps)• Solid Amber = Lower Link Speeds (ex. 5000/2500/1000/100/10Mbps)
Packaging & In-the-Box	
Included in Package	1 - USB-C Ethernet Adapter 1 - Product Documentation
Package Width	2.3 in [57.2 mm]
Package Depth	7.5 in [19 cm]
Package Height	0.7 in [19 mm]
Shipping (Package) Weight	3.2 oz [92 g]

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