2.5GbE USB-C to Ethernet Adapter, NBASE-T NIC, USB 3.0 Type-C 2.5/1G Multi Speed Network, Thunderbolt Compatible, Windows & Mac

Product ID: C22G-USB-ETHERNET

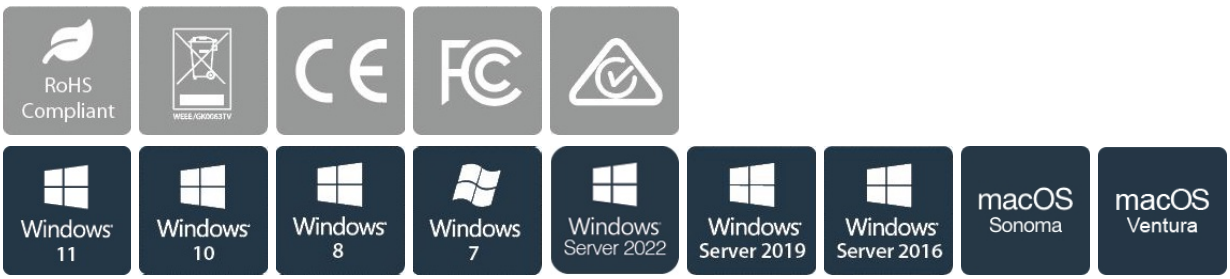


Add 2.5GbE network access to a laptop, tablet, or iPhone using an available USB Type-C port. This USB 3.0 Type-C to Gigabit network adapter doubles your network performance on existing Cat5e cables, so there is no need to change or add to existing cabling infrastructure. This versatile adapter features a built-in 6in (15cm) USB cable and is bus-powered, drawing its power directly from the computer's USB port, reducing clutter and simplifying setup by eliminating the need for an external power adapter.

This slim form factor adapter is ideal for office use and hot desks. Download large files from a network more quickly, experience higher quality video conference streaming, and sync files to the cloud in the background, without impacting your other browsing. The adapter provides a wired connection that is faster and more secure than wireless, making it ideal for IT professionals.

Simply plug this USB-C to Ethernet adapter into the USB port on a laptop and connect to a network. The network adapter Realtek chipset provides native driver support for Windows (10/11, ARM supported) Macbooks (MacOS), Chromebooks (ChromeOS), Snapdragon, Linux, iPhones, and tablets. Any Windows operating systems without the driver will be automatically prompted to download the software directly from the adapter, ensuring quick and effective installation with no Internet access required

Certifications, Reports and Compatibility





Applications

• Add 2.5Gbps Ethernet network connectivity to a laptop or desktop computer through a USB Type-C port

Features

• USB-C NETWORK ADAPTER: 2.5GbE USB-C to Ethernet Adapter allows you to add 2.5GbE network access to a laptop, tablet, or iPhone using an available USB Type-C port; Doubles network performance on existing Cat5 cables

• BROAD COMPATIBILITY: Auto-installs most operating systems including Windows 7 and up, Linux LTS Kernel 4.19+ and up, macOS/iOS/ChromeOS; Works with MacBooks, Chromebooks and all hardware platforms, including Intel, AMD, ARM (Snapdragon), and Apple Silicon

• 2.5G OVER CAT5E: Leverage NBASE-T for 2.5Gbps speeds over existing Cat 5e cables without the expense of upgrading to Cat6A/Fiber; 4-speed auto-negotiation for optimal performance with network devices; Extend system longevity by retrofitting older systems

• APPLICATIONS: Slim form factor adapter for office/hot desks; Quickly download large files from a network, experience higher quality video conferencing & sync files to the cloud in the background with a faster/more secure connection compared to wireless

• TECH SPECS: USB-C 3.2 Gen 1 (5Gbps); 1x RJ45; 6in (15cm) Attached Cable; 2.5Gbps Multi-Gigabit; 10/100Mbps & 1/2.5Gbps; Realtek Chipset; NBASE-T & 2.5GBASE-T; 16K Jumbo Frames; WoL; VLAN; USB Bus Powered; Thunderbolt Compatible

Hardware

Warranty	2 Years
Ports	1
Interface	RJ45 (Gigabit Ethernet)
Bus Type	USB 3.2 Gen 1
USB Pass-Through	No
Industry Standards	IEEE 802.3i 10BASE-T
	IEEE 802.3ab 1000BASE-T
	IEEE 802.1q VLAN Tagging
	IEEE 802.3x

		IEEE 802.3u 100Base-TX
		IEEE 802.3bz 2.5GBase-T
	Chipset ID	Realtek - RTL8156BG

Performance

	Wake On Lan	Yes
	Type	Copper
	Type and Rate	USB 3.2 Gen 1 - 5 Gbit/s
	Compatible Networks	2.5G/1G/100Mbps/10Mbps
	Auto MDIX	Yes
	PXE	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	16K max.
	Promiscuous Mode	Yes
	MTBF	1,912,948 hours

Connector(s)

	Connector A	1 - USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)
		1 - RJ-45

Software

	OS Compatibility	Windows 11 ARM, Windows 11, Windows 10 ARM, Windows 10, Windows 8, Windows 8.1, Windows 7, Windows Server 2016, Windows Server 2012 R2, Windows Server 2008 R2</br Windows Server 2019, Windows Server 2022, Linux Kernel 2.4.20 and up - LTS Versions only, macOS 10.11 - 10.15, 11.0, 12.0, 13.0, 14.0 VLAN tagging is currently not supported in macOS

Indicators

	LED Indicators	1 - Indicates Network Card Activity:
		• Solid Green = Network port is connected
		• Flashing Green = Network port is active
		1 - Indicates Link Speed:

		• Solid Green = Highest Link Speed (ex. 2.5Gbps) • Solid Amber = Lower Link Speeds (ex. 1000/100/10Mbps)

Power		
	Power Source	USB-Powered
	Input Voltage	5V DC
	Output Voltage	5 DC

Environmental		
	Operating Temperature	0 to 45 (32F to 113F)
	Storage Temperature	-10C to 70C (14F to 158F)
	Humidity	10% to 85% RH (no condensation)

Physical Characteristics		
	Color	Space Gray
	Form Factor	Attached Cable
	Cable Length	6.0 in [152 mm]
	Product Length	6.0 in [15.2 cm]
	Product Width	0.8 in [2.2 cm]
	Product Height	0.6 in [1.5 cm]
	Weight of Product	0.6 oz [18.0 g]

Packaging Information		
	Package Quantity	1
	Package Length	5.0 in [12.8 cm]
	Package Width	8.7 in [22.0 cm]
	Package Height	0.6 in [1.6 cm]
	Shipping (Package) Weight	0.8 oz [24.0 g]

What's in the Box

Included in Package	1 - USB-C Network Adapter

Product appearance and specifications are subject to change without notice.