

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

**Product ID:** U2GA-USB-C-ETHERNET



Add 2.5GbE network access to a laptop, tablet, or iPhone using an available USB Type-C or Type-A 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 multigigabit Ethernet network connectivity to a Laptop or Desktop through a USB Type-C or A port

## Features

- **USB-C NETWORK ADAPTER:** 2.5GbE USB-C to Ethernet Adapter with USB-A Converter allows you to add 2.5GbE network access to a laptop, tablet, or iPhone using an available USB Type-C or Type-A 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 (5Gbps); USB-A Adapter; 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 (not supported in macOS); WoL; VLAN; 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                                                                                                                                                                                                                                                                                                                          |
| <b>Performance</b>                  |                     |                                                                                                                                                                                                                                                                                                                                              |
|                                     | 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                | 1,612,526 hours                                                                                                                                                                                                                                                                                                                              |
| <b>Connector(s)</b>                 |                     |                                                                                                                                                                                                                                                                                                                                              |
|                                     | Connector A         | 1 - USB 3.2 Type-C (24 pin, Gen 1, 5Gbps)                                                                                                                                                                                                                                                                                                    |
|                                     |                     | 1 - RJ-45                                                                                                                                                                                                                                                                                                                                    |
| <b>Software</b>                     |                     |                                                                                                                                                                                                                                                                                                                                              |
|                                     | OS Compatibility    | Windows 11 ARM, Windows 11, 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<br>VLAN tagging is currently not supported in macOS |
| <b>Special Notes / Requirements</b> |                     |                                                                                                                                                                                                                                                                                                                                              |
|                                     | Note                | - Jumbo Frames are no longer supported in macOS                                                                                                                                                                                                                                                                                              |
| <b>Indicators</b>                   |                     |                                                                                                                                                                                                                                                                                                                                              |
|                                     | 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 | 0C to 45C (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    |
| Material          | Plastic           |
| Cable Length      | 6.0 in [152 mm]   |
| Product Length    | 10.0 in [25.5 cm] |
| Product Width     | 0.8 in [2.2 cm]   |
| Product Height    | 0.6 in [1.5 cm]   |
| Weight of Product | 0.9 oz [26.0 g]   |

---

#### Packaging Information

|                  |                  |
|------------------|------------------|
| Package Quantity | 1                |
| Package Length   | 5.0 in [12.7 cm] |
| Package Width    | 5.0 in [12.6 cm] |

|                |                 |
|----------------|-----------------|
| Package Height | 0.7 in [1.9 cm] |
|----------------|-----------------|

|                              |                 |
|------------------------------|-----------------|
| Shipping (Package)<br>Weight | 1.1 oz [30.0 g] |
|------------------------------|-----------------|

---

**What's in the Box**

|                     |                         |
|---------------------|-------------------------|
| Included in Package | 1 - USB Network Adapter |
|---------------------|-------------------------|

---

**Warranty  
Information**

|          |         |
|----------|---------|
| Warranty | 2 Years |
|----------|---------|

---

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