

USB-C to Fiber/Ethernet NIC Network Adapter

User Manual V1.0



LNK-TCU2500

LNK-TCU1000



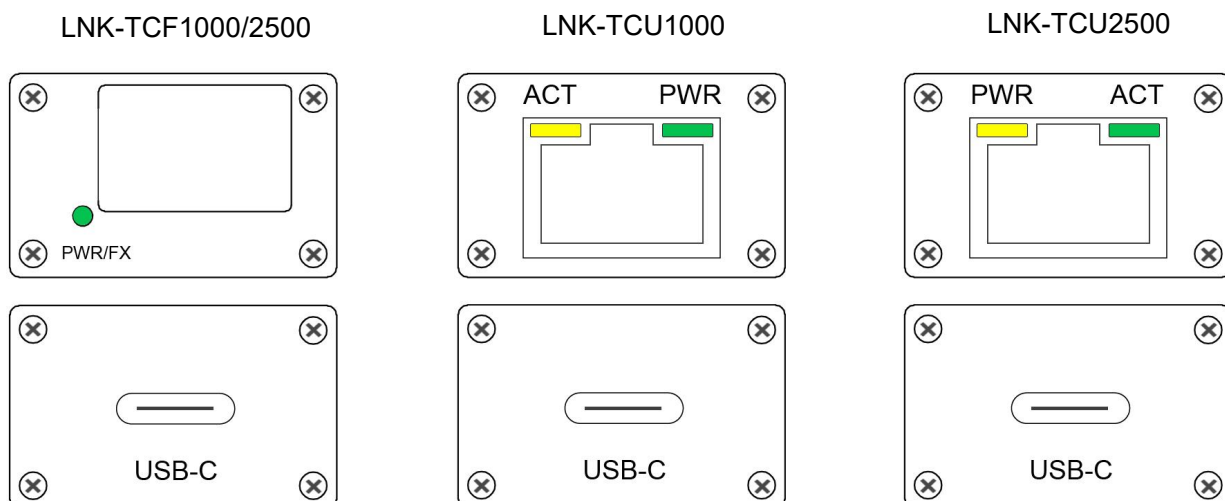
LNK-TCF2500

LNK-TCF1000

Overview

LNK-TCF/TCU Series USB-C to Fiber/Ethernet Network adapter designed for Laptop/PC/Tablet that with USB interface and need to access Fast and Stable internet through Fiber/UTP Cable. With this USB-C LAN Card, Network Connection is more stable and quick than Wifi access. It can offer up to 1000Mbps/2500Mbps Internet access. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides added performance, flexible configuration and secure networking for users in a standard-based environment.

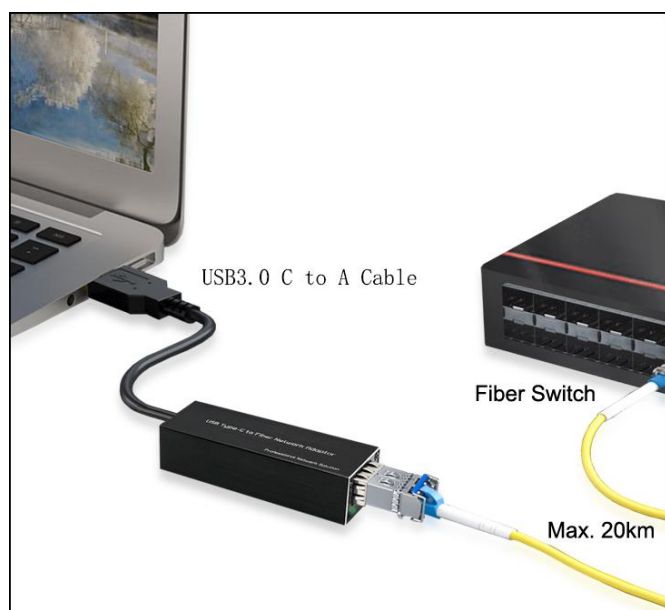
Physical Description



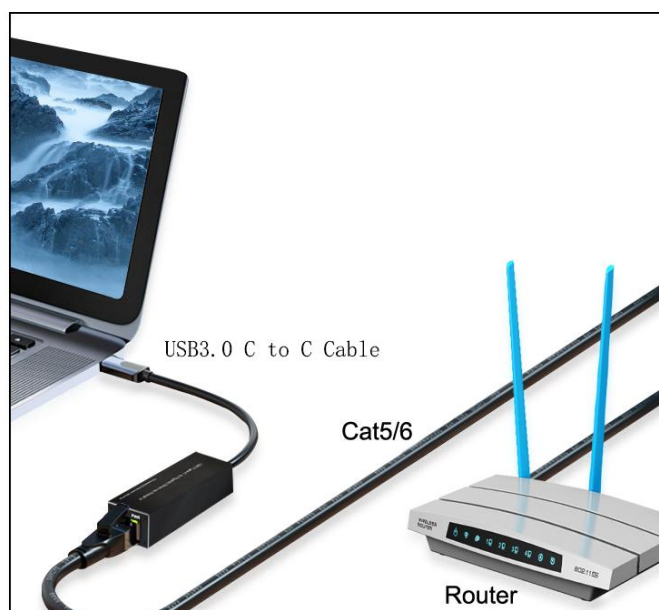
Default comes with a TYPE-C to TYPE-A USB3.0 cable (Cable length 50cm), which can be replaced by a TYPE-C to TYPE-C cable.



Application



LNK-TCF1000/2500



LNK-TCU1000/2500

Setup

- Connect the USB-C port to PC or Laptop with USB cable. It support USB-A and USB-C.
- Connect the RJ45 or fiber port to Router or Fiber Ethernet Switch.
- Check the Led indicators' status. PWR on means USB-C port connected, ACT indicator flash means UTP cable connected and data transmission, FX indicator on means fiber connected. Please use USB-C cable with data function.
- Installed drive according to your system version. (Download to PC / Double click / Next / Install / Finish). Uninstall the driver (double click / remove / next / finish).

Scan QR code to download driver

Web: https://www.realtek.com/Download/List?cate_id=585

Get Tech Support: Sales007@zhipulink.com



Ordering Information

Model	Description
LNK-TCF1000	Mini USB-C to 100/1000Base-X SFP Fiber network adapter
LNK-TCU1000	Mini USB-C to 10/100/1000Base-T RJ45 Ethernet network adapter
LNK-TCF2500	Mini USB-C 3.0 to 100/1000/2.5GBase-X SFP Fiber network adapter
LNK-TCU2500	Mini USB-C 3.0 to 10/100/1000/2.5GBase-T RJ45 Ethernet network adapter
SFP Options	▶ 100/1000/2500Mbps, single mode/multi-mode, single fiber/dual fiber modules optional
	▶ SFP module is to be purchased separately.

Technical Index

Standards:	IEEE 802.3 10BASE-T
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	IEEE 802.3bz 2.5GBASE-T 2.5G Ethernet
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	Full Duplex flow control (IEEE 802.3x)
	IEEE 802.1P Layer 2 Priority Encoding
	IEEE 802.1q VLAN tagging
Chipset ID:	Realtek RTL8153B/8213 (LNK-TCF1000)
	Realtek RTL8153B (LNK-TCU1000)
	Realtek RTL8156B (LNK-TCU2500)
Jumbo Frame Support:	9K max (1G). 16K max (2.5G)
Other:	Support Microsoft NDIS5, NDIS6 Checksum Offload (IPv4, IPv6, TCP, UDP) and Segmentation Task-offload (Large send v1 and Large send v2) Supports Protocol Offload (ARP & NS)
Software	
OS Compatibility:	Windows® XP, Vista, 7, 8, 8.1, 10, 11 Windows® Server 2008 R2, 2012, 2012 R2, 2016, 2019 MacOS 10.8 to 10.15, VLAN tagging is currently not supported in macOS Unix (Linux) USB NIC Linux driver for kernel up to 6.10 UEFI UEFI Driver (32/64/ARM)
Interface	
USB:	1 x USB-C 3.0
RJ45:	1 x RJ-45 10/100/1000/2500Mbps LAN port
Fiber:	SFP slot: 100/1000/2.5GBase-X (100/1000/2500Mbps, single mode / multi-mode, single fiber / dual fiber modules optional)
Electrical and Mechanical	
Power:	USB Bus Powered
Power Consumption:	5W Max.
Physical Description	
Material:	Aluminum Case
Dimension:	79x27x18mm

Package Content

- USB to fiber / Ethernet Network adapter x 1
- Type-C to Type-A(Type-C) USB3.0 cable
- Quick Start Guide x 1