

USB4 to 1 Port SFP+ 10G Network Adapter

High-Performance 10GbE Connectivity with Realtek RTL8127ATF Chipset



Model: DTB3F11

The LEKUO USB4/Thunderbolt to 10GbE Fiber Network Adapter features a one-piece die-cast aluminum alloy housing, offering excellent heat dissipation, vibration resistance, and pressure resistance. Combining aesthetics with durability, this adapter utilizes USB4 technology (compatible with Thunderbolt 3/4/5 protocols) and is equipped with the Realtek RTL8127ATF chip, delivering stable network transfer speeds of up to 10 Gbps. It is ideal for high-speed internal network transfers, high-bandwidth data transmission, network storage, and high-performance computing applications. Fiber optic connectivity is achieved via the SFP+ port, offering superior interference resistance and long-distance transmission performance. Tested internal network transfer speeds reach approximately 1.15 GB/s, significantly enhancing the efficiency of large file transfers and real-time collaboration.

Quick Specifications

Basic Parameters

- ✓ USB-C (USB4 / Thunderbolt 3/4/5 compatible)
- ✓ 1 x SFP+ 10 Gigabit Ethernet port
- ✓ Multi-rate support: 10G/1G
- ✓ Ultra-low power: 10GBASE-R@2.5W
- ✓ Jumbo frame support up to 16KB
- ✓ Hardware checksum & segmentation offload

Function

- ✓ Compatible with IEEE 802.3.IEEE 802.3z
- ✓ 802.1Q VLAN & 802.1ad Q-in-Q tagging
- ✓ Wake-on-LAN
- ✓ PXE & EFI network boot support
- ✓ Supports Full Duplex flow control (IEEE 802.3x)

System Requirements

- ✓ Windows 11/10
- ✓ Linux (kernel 4.x and later)

Application Scenarios

- ✓ NAS
- ✓ Media production & 4K/8K video editing
- ✓ Virtualization & cloud infrastructure
- ✓ High-frequency trading systems
- ✓ Scientific computing & data centers

About LeKuo: Shenzhen MMUI CO.,Ltd is a company that was established in 2004 and focuses on computer boards and industrial embedded systems. The company values professionalism, innovation, and trust, and its products and services cater to various industries such as manufacturing, aerospace, banking, transportation, healthcare, and cloud storage, providing high-quality embedded solutions for industrial control and other areas.

Hardware Interface

Input interface	USB4 40 Gbps (compatible with Thunderbolt 3/4/5)
Output interface	1 x SFP+ 10 Gigabit Ethernet port
Chip	Realtek RTL8127ATF
Actual transfer speed	Approximately 1.15 GB/s (internal network environment)

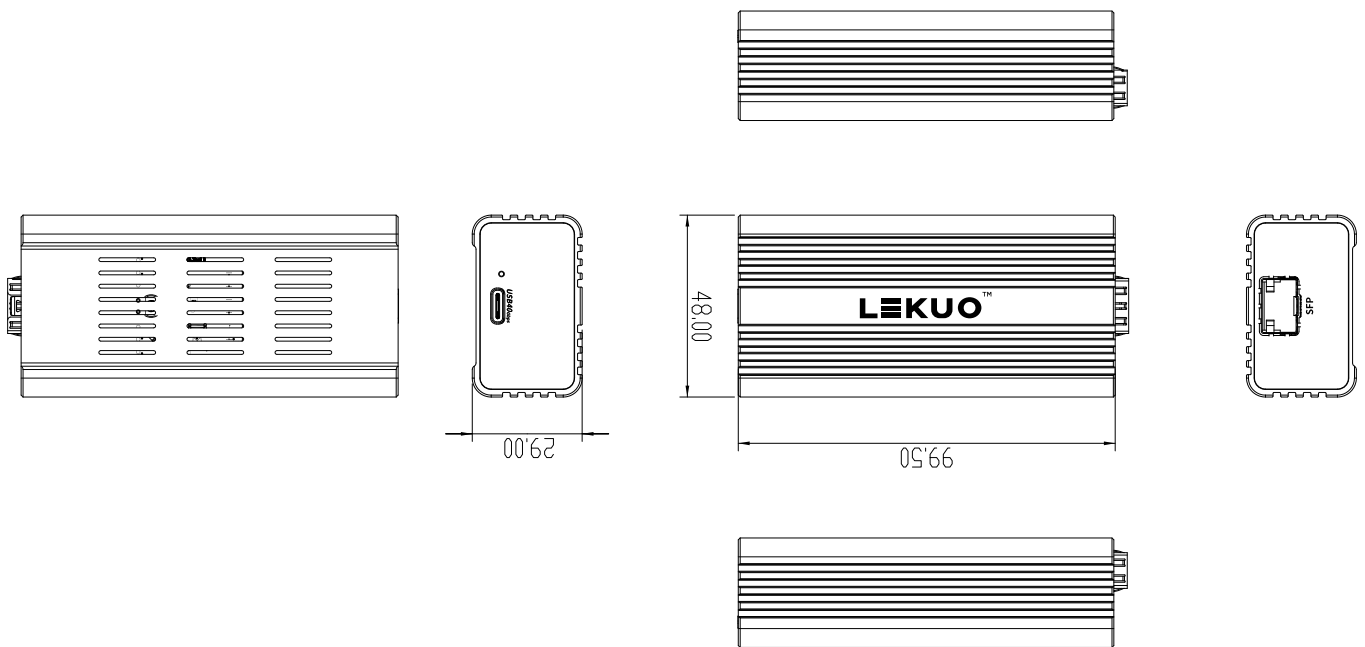
Network Performance

Supported Speeds	Supports 1000BASE-X and 10GBASE-R
Auto-Negotiation	Supports IEEE 802.3ae (10GBase-R)
Duplex Mode	Full-duplex at all speeds
Flow Control	IEEE 802.3x
Jumbo Frame	Support up to 16KB

Package Contents

- Included Items
- 1 x USB4 to 1 Port SFP+ 10G Network Adapter
 - 1 x Type-C 40 Gbps data cable
 - 1 x User Manual

Block Diagram



PS: Above details are only for reference, if there is any change, no prior notice.

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