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› OWC Thunderbolt 3 10G Ethernet Adapter User Manual

OWC AMU-OWCTB3ADP10GBE

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Model: AMU-OWCTB3ADP10GBE

INTRODUCTION

The OWC Thunderbolt 3 10G Ethernet Adapter provides a high-speed 10Gbps network connection for your Thunderbolt 3 or Thunderbolt 4 enabled computer. This adapter allows you to connect to 10GBASE-T Ethernet networks, enhancing data transfer speeds for demanding tasks.

This device is bus-powered, eliminating the need for an external power adapter, and features an aluminum alloy heatsink for efficient heat dissipation and durability.

IMPORTANT COMPATIBILITY INFORMATION

Please read carefully before use:

- This product requires a computer with a Thunderbolt 3 or Thunderbolt 4 port. While Thunderbolt 3/4 ports share the same physical shape as USB Type-C, their specifications are entirely different. This adapter will not function with computers that do not support Thunderbolt 3 or Thunderbolt 4.
- To achieve 10Gbps performance, all devices on your network, including your NAS, hub, and LAN cables (Category 6a or higher recommended), must support a 10Gbps environment. The adapter's full performance cannot be realized if any component in the network chain does not support 10Gbps.
- Always verify the specifications of your connected devices before using this product.

PACKAGE CONTENTS

Verify that all items are present in your package:

- OWC Thunderbolt 3 10G Ethernet Adapter
- Thunderbolt 4 Cable (x1)
- Amulet Original Manual (Japanese)
- Warranty Card

SETUP

Follow these steps to set up your OWC Thunderbolt 3 10G Ethernet Adapter:

1. **Prepare your computer:** Ensure your Mac or Windows PC has a Thunderbolt 3 or Thunderbolt 4 port and is running a compatible operating system (macOS 13.6 or later, Windows 10 64-bit).
2. **Connect to network:** Connect a Category 6a or higher Ethernet cable from your 10Gbps-compatible network device (e.g., router, switch, NAS) to the RJ-45 port on the OWC Thunderbolt 3 10G Ethernet Adapter.
3. **Connect to computer:** Use the provided Thunderbolt 4 cable to connect the Thunderbolt 3 port on the adapter to a Thunderbolt 3 or Thunderbolt 4 port on your computer.
4. **Verify connection:** Once connected, your computer should automatically detect the adapter. Check your network settings to confirm the 10Gbps Ethernet connection is active.



Image: The OWC Thunderbolt 3 10G Ethernet Adapter connected to a laptop via a Thunderbolt cable, with an Ethernet cable plugged into the adapter.

OPERATING INSTRUCTIONS

The OWC Thunderbolt 3 10G Ethernet Adapter operates automatically once connected to a compatible system. No additional drivers are typically required for supported operating systems.

- **Bus Power:** The adapter draws power directly from your computer's Thunderbolt port, so no external power supply is needed.
- **Network Speed:** The adapter supports multi-gigabit speeds including 100M, 1G, 2.5G, 5G, and 10GBASE-T. The actual connection speed will depend on your network infrastructure.
- **Status Indicators:** Refer to the adapter's LED indicators (if present) for connection status and speed.



Image: A hand holding the OWC Thunderbolt 3 10G Ethernet Adapter, showcasing its compact size and rubber sleeve.

MAINTENANCE

To ensure the longevity and optimal performance of your adapter:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapter. Avoid liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place when not in use.
- **Handling:** The aluminum alloy heatsink provides durability and shock resistance. The rubber sleeve offers additional protection, making it suitable for frequent transport.
- **Cable Care:** Avoid bending or crimping the Thunderbolt and Ethernet cables excessively to prevent damage.

TROUBLESHOOTING

If you encounter issues with your OWC Thunderbolt 3 10G Ethernet Adapter, refer to the following common solutions:

Problem	Solution
Adapter not detected by computer.	◦ Ensure your computer has a Thunderbolt 3 or Thunderbolt 4 port. ◦ Verify the Thunderbolt cable is securely connected to both the adapter and the computer. ◦ Try a different Thunderbolt port on your computer, if available. ◦ Restart your computer. ◦ Check your operating system's network settings to see if the adapter is listed.
Slow network speed (not reaching 10Gbps).	◦ Confirm all network devices (router, switch, NAS) in your setup support 10Gbps. ◦ Ensure you are using a Category 6a or higher Ethernet cable. ◦ Check your computer's network settings to confirm the link speed. ◦ Update your computer's Thunderbolt drivers and network drivers.
No network connection.	◦ Verify the Ethernet cable is properly connected to both the adapter and your network device. ◦ Check the status lights on the adapter and your network device. ◦ Ensure your network is active and functioning correctly with other devices. ◦ Restart your network router/switch.
Adapter feels warm during operation.	This is normal. The aluminum alloy casing acts as a heatsink to dissipate heat generated during high-speed operation. Ensure adequate airflow around the device.

SPECIFICATIONS

Feature	Detail
Model Number	AMU-OWCTB3ADP10GBE
Interface	Thunderbolt 3 (40Gbps) x1, RJ-45 10GBASE-T Ethernet (10Gbps) x1
Data Link Protocol	Ethernet
Data Transfer Rate	10 Gigabits per second (Multi-Gigabit: 100M/1G/2.5G/5G/10GBASE-T)
Compatible Devices	Mac or Windows PCs equipped with Thunderbolt 3 ports (including M1 Macs). Network devices/NAS with RJ-45 10GBASE-T Ethernet ports.
Supported OS	macOS 13.6 or later, Windows 10 64-bit (Other OS versions are not supported)
Power Source	Bus-powered (via Thunderbolt)
Dimensions (L x W x H)	12.6 cm x 8 cm x 3.7 cm (approx. 80mm x 126mm x 37mm)
Weight	450g (product body only)
Material	Aluminum alloy heatsink with rubber sleeve

WARRANTY AND SUPPORT

This product includes a warranty card. Please refer to the warranty card for specific terms and conditions regarding coverage and duration.

For technical support or further assistance, please contact your retailer or the manufacturer's official support channels. Keep your purchase receipt and warranty card for any warranty claims.