ComX Computers
Product Specification Sheet

OWCTB3ADP10GBE

OWC Thunderbolt 3 10G Ethernet Adapter

Product Overview

OWC Thunderbolt 3 10G Ethernet Adapter, 10 Gbps Data rate, Intel JHL6540 Thunderbolt 3 Chipset, Aquantia AQC107S Ethernet controller, Aluminum with protective rubber Sleeve housing material, Bus-Powered, OWCTB3ADP10GBE









Specifications

Overview:

Thunderbolt 10G Ethernet Adapter Ethernet For Everywhere You Go

- Blazing-fast:over 900MB/s real-world tested transfer speed for large file transfers, video editing, and live streaming gaming sessions
- Compatible:use with any Thunderbolt 3-equipped Mac or Windows computer
- Capable:up to 100-meter cable distance with Cat6a for 10G, Cat6 for 5G, and Cat5e for 2.5G
- Smart:supports auto-negotiation for 10Gb/s, 5Gb/s, 2.5Gb/s, 1Gb/s and 100Mb/s Base-T Ethernet standards
- Accessible:Wake-on-LAN ready for remote access of home or work computer
- AVB ready:perfect for use in pro audio and video applications where synchronization of data streams is critical
- Securable:Features Kensington-compatible lock slot for anti-theft cabling
- Cost effective:2.5GBASE-T and 5GBASE-T technology (formerly NBASE-T) provides up to 500% faster performance over existing cabling
- Energy efficient:supports IEEE 802.3az for low computer bus power

- Cool:ventilated aluminum heatsink housing maximizes heat dissipating airflow
- Silent:fanless for noise sensitive environments
- Durable:rubber sleeve protects during portable use
- Easy setup:connect the included Thunderbolt 3 cable and connect to your network

Features:

Engage Warp Speed File Transfers

Connecting the OWC Thunderbolt 10G Ethernet Adapter to your Thunderbolt 3-equipped Mac or PC adds warp speed file transfers to your workflow. Now you can access 10GBASE-T 10Gb Ethernet networks and other devices, such as a Network Attached Storage (NAS) system, to transfer large multimedia files at over 900MB/s real-world speed. While improving project efficiency and workgroup collaboration with the quickest network connection available, the adapter is also backwards compatible with other Ethernet standards including 5GBASE-T, 2.5GBASE-T, 1000BASE-T, and 100BASE-Tx.

Bottleneck-free Editing Collaboration

For post-production to work at maximum efficiency, multiple editors need to collaborate and work as a team. The Thunderbolt 10G Ethernet Adapter keeps projects on schedule and under budget by giving multiple editing workstations the bandwidth needed for sharing and editing data-intensive creative content like video, animation, and graphics. Now editing can take place directly from files on a shared RAID storage device or NAS, such as OWC Jupiter Mini or OWC Jupiter Callisto , without the time waste of downloading files to individual workstations.

Ideal For Ethernet Limited Computers

The Thunderbolt 10G Ethernet Adapter opens up a world of high-performance network connectivity to Thunderbolt 3-equipped notebooks that lack built-in Ethernet connectivity and to desktop machines handcuffed by a built-in 1Gb/s Ethernet port like the iMac 2017, Mac mini 2018, and All-In-One PCs.

Maximizes Soho Networks

Without having to incur the extra expense of a full 10Gb Ethernet network, it's becoming common for budget-constrained, yet performance-oriented creative professionals in small or home offices to connect to a 2.5 - 5Gb/s equipped router or switch. Unfortunately, these pros are often limited to Gigabit Ethernet (1Gb/s) speed by their computer. By simply adding the Thunderbolt 10G Ethernet Adapter to their machine, photographers, videographers, musicians, and other creative pros can now enjoy greater signal reliability, stability, and security with up to 5x faster speed on 2.5 - 5Gb/s networks and up to 10x faster speed on 10Gb Ethernet networks.

Dramatically Increases Performance And Roi Of Existing Network

With an ideal combination of affordability and performance, most wired local area networks installed over the past two decades utilize Cat 5e or Cat 6 copper cabling. Unfortunately, these setups are limited to a maximum 1Gb/s speed. Thanks to its built-in 2.5GBASE-T and 5GBASE-T technology (formerly NBASE-T), the Thunderbolt 10G Ethernet Adapter can deliver up to 5Gb/s speed over existing cabling for up to a 500% performance increase and maximum infrastructure ROI.

Built For Optimum Network And CPU Performance

The Thunderbolt 10G Ethernet Adapter achieves its blazing fast transfer speed and keeps your computer performing at peak because it was built with advanced features such as flow control and 64-bit address support; TCP, UDP, and IPv4 checksum offloading; and TSO, LRO, and RSS stateless offloads.

Runs Silently Cool With Rugged And Efficient Portability

Featuring a unique ventilated design that maximizes airflow, the Thunderbolt 10G Ethernet Adapter's rugged aluminum housing works as a heat sink to operate silently cool without needing a fan. The adapter draws its power from the Thunderbolt 3 port with Energy-Efficient Ethernet support for low computer-power use and no AC adapter needed. Further complimenting its portable potential is a rubber sleeve to keep the adapter safe from bumps and bruises when thrown into a backpack or gear bag.

Existing Cable Compatible

When you need to access an older or even state-of-the-art network, the Thunderbolt 10G Ethernet Adapter's RJ45 socket will connect you to a wide range of existing cabling infrastructures ranging from Cat 5 to Cat 7.

Pro Audio Video AVB Ready

Time-sensitive data such as audio and video media streams require Audio Video Bridging (IEEE 802.1Qav, AVB) ready gear.

No sweat… the Thunderbolt 10G Ethernet Adapter can stream vast volumes of high-quality data to multiple destinations in real-time with very low latency over existing network cable.

Access Your Work And Home Computers Anytime, Anywhere

Thanks to network Wake-on-LAN support, you can easily wake a hibernated Windows or sleeping Mac computer for remote system management, program use, and stored file access. Now instead of having an "always on" system wasting energy - and your hard-earned money - you can keep a work or home computer in a low-power state that's accessible anytime from any location.

Transfer Files In Under A Minute

With real-world tested speeds over 900MB/s, the Thunderbolt 10G Ethernet Adapter lets you transfer a large 50GB file in under a minute!

Easy Set-up In Two Steps

To start transferring files at up to 10x faster than Gigabit Ethernet speed, just follow these two easy steps:

1. Connect the Thunderbolt 10G Ethernet Adapter to your computer's Thunderbolt 3 port via the included cable.
2. Connect the adapter to any wired network (10GbE for optimal speed) via the adapter's RJ45 port.

Includes

- (1) OWC Thunderbolt 10G Ethernet Adapter
- (1) 0.3M (12") Thunderbolt (USB-C) Cable
- (1) Quick Start Guide for OWC Thunderbolt 10G Ethernet Adapter
- (1) User Guide for OWC Thunderbolt 10G Ethernet Adapter

Specifications:

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Specifications	
Product Code	OWCTB3ADP10GBE
Standards Supported	10GBASE-T
	5GBASE-T
	2.5GBASE-T
	1000 BASE-T
	100 BASE-T
Boot Support	N/A
Ethernet Speeds (RJ-45)	10Gb/s (10GBASE-T)
	5Gb/s (5GBASE-T)
	2.5Gb/s (2.5GBASE-T)
	1Gb/s "Gigabit" (1000BASE-T)
	100Mb/s (100BASE-T)
	10Mb/s (10BASE-T)
Jumbo Frame Support	Yes
Receive/Transmit Buffer Size	320/160 KB per port
Data Rate	10 Gbps

Chipset / Controller	Thunderbolt 3: Intel JHL6540
	Ethernet: Aquantia AQC107S
Mac OS Compatibility	macOS 10.13 High Sierra
	macOS 10.14 Mojave
	macOS 10.15 Catalina
	macOS 11.x Big Sur
	macOS 12.x Monterey
	macOS 13.x Ventura
	macOS 14.x Sonoma
PC OS Compatibility	Windows 10 64-bit Edition
	Windows Server 2016
	Windows 11
Other Requirements	macOS 10.13.6 or later required.
	Windows or Linux systems require an Ethernet driver.
External Power Adapter	No
Power Supply	Bus-powered
Wattage	8.2W
Security Slot	Yes
Housing Color	Black
Housing Material	Aluminum with protective rubber sleeve
Color	Black
Dimensions	Height: 3.8 cm (1.5 in)
	Length: 12.6 cm (5.0 in)
	Width: 8.0 cm (3.1 in)
Weight	453.0 g (1.00 lbs)
LED Indicators	Power
	Link
	Speed
Input Connection	RJ-45
Output Connection	Thunderbolt 3
	Ethernet
Certifications	CE, FCC, VCCI, RCM, BSMI
RoHS Compliant	Yes
Reach Certification	Yes
Country of Origin	Taiwan
TAA Compliance	Yes
Ambient Temperature	Operating: 41 degreesF to 95 degreesF (5 degreesC to 35 degreesC)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/OWCTB3ADP10GBE-OWC-Thunderbolt-3-10G-Ethernet-Adapter-p-295855.php

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