



ARC-4686T3

Thunderbolt 3 Tri-mode Host Adapter

Highlights

- High performance 40Gbps Thunderbolt 3 interface
- Eight ports of 12gbps SAS/SATA/Gen4 NVMe
- ARC-1686-8X tri-mode adapter inside
- Dual Thunderbolt 3 ports for daisy-chaining
- Thunderbolt cable included
- Supports SAS tape and transport layer retries (TLR) for error handling

ARC-4686T3 Thunderbolt 3 Adapter

Unleash Your Creativity Faster Than Ever

Thunderbolt™ 3 brings Thunderbolt to USB-C at speeds up to 40 Gbps, creating one compact port that does it all – delivering the fastest, most versatile connection to any dock, display, or data device. It pushes speed to 40Gbps and enables 4K video file transfer and display simultaneously. ARC-4686T3 is equipped with dual Thunderbolt 3 ports for connecting to any Thunderbolt 3-enabled host, and offers an additional Thunderbolt 3 port for daisy-chaining other peripherals. The Thunderbolt daisy-chaining allows connection of up to six devices, so customers can connect ARC-4686T3 for massive amounts of video storage with a single Thunderbolt connection to their host computer. ARC-4686T3 can meet the demand of users when working with rich, ultra-high resolution media through Thunderbolt 3 interface.

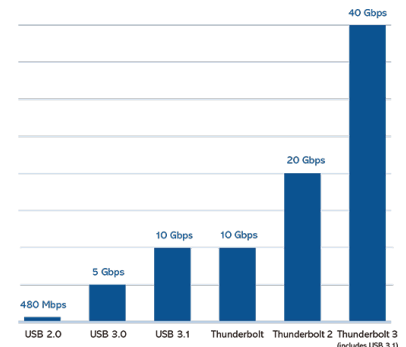
Unparalleled Performance for 4K Workflow

ARC-4686T3 connects with high performance RAID solution to deliver true hardware RAID for the video editor working with real time multi-stream HD and 4K workflows. It runs efficiently without disruption or major drops in performance to meet the requirements of 4K data workflow. ARC-4686T3, the tri-mode cost effective solutions with Thunderbolt 3, specifically is designed for use in Apple MacBook Pro. The Thunderbolt 3 Solution from Areca provides the supreme performance so quick that it allows 4K video at the same time while daisy chaining storages devices and doing a simultaneous 4K in/output file transfers.

Enabling an Easy-to-Manage Storage

The ARC-4686T3 is based on the ARC-1686-8X tri-mode adapter that provides applications demanding high levels of storage connectivity and performance. Each Thunderbolt adapter supports 8 tri-mode ports operating at 12Gb/s data transfer rates, and can provide SAS data transfer rates of 12 Gb/s, SATA data transfer rates of 6Gb/s and Gen4 NVMe. With eight tri-mode ports and dual 40 Gbps Thunderbolt 3 ports configurations, the ARC-4686T3 is a best solution for connecting to large scale storage enclosures to achieve high-performance storage solution for 4K video workflows. ARC-4686T3 adapter provides a blazing-fast storage connectivity solution with enhanced reliability and performance to support any application and tiered storage solution. ARC-4686T3 adapter is ideal for large capacity external storage RAID and external tape drives. Areca also releases a line of Thunderbolt 3 shared storage products included desktop RAID storage, FC adapter and RAID subsystem to support 4K workflows.

Thunderbolt™ 3 Performance



Product Features

Product



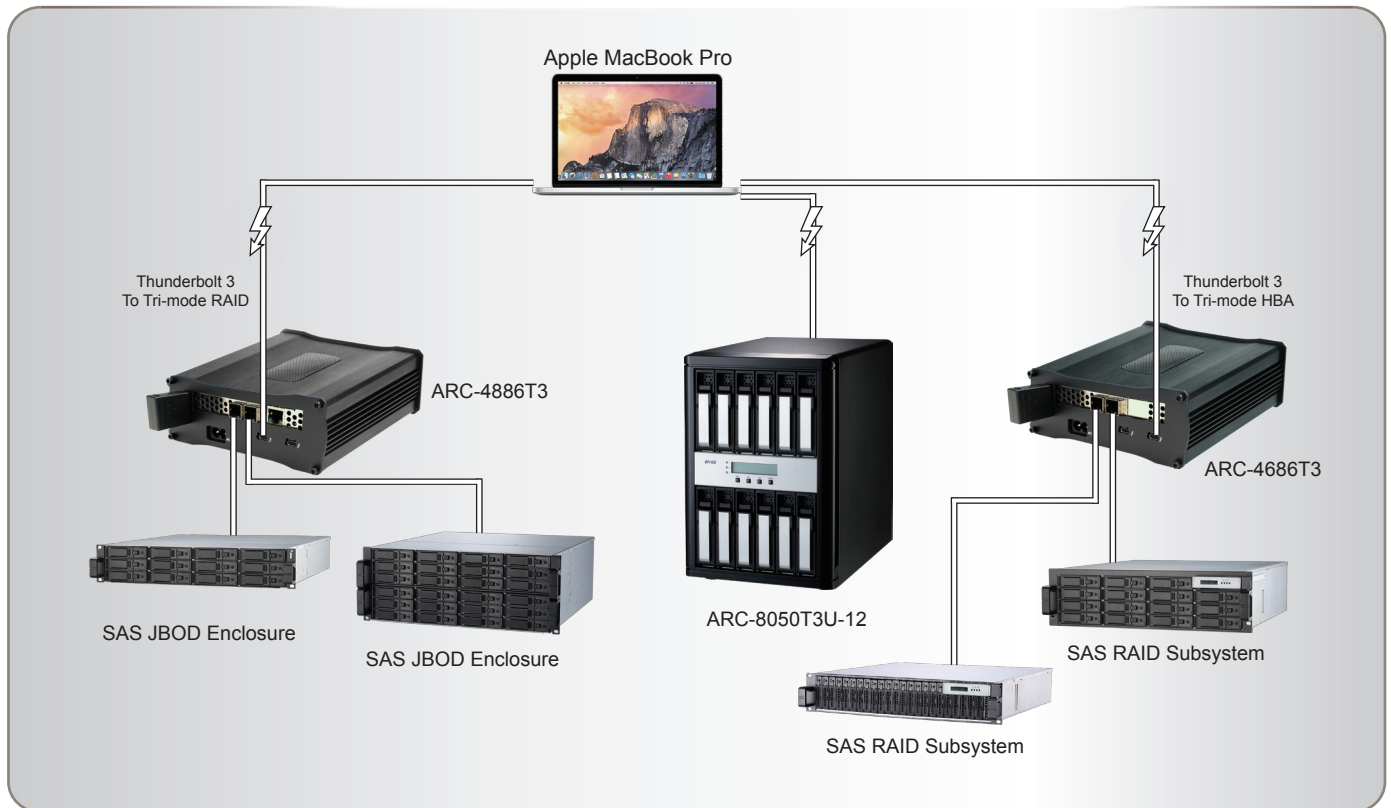
ARC-4686T3

Adapter Inside	ARC-1686-8X	
Device Ports	2 x Mini SAS HD SFF-8644 connectors	
OS Support	macOS 10.12 or later, Windows 8 or later	
Host Ports	Dual 40Gbps Thunderbolt ports - Dual-Protocol (PCIe and DisplayPort) - Daisy chaining device support	
Cooling	One noiseless cooling fan	
Operating Temperature	0° to 35°C (32° to 95°F)	
Power Supply/ In/out	100-240V AC/65W	
Dimension (W x H x D)	4.97 x 2.13 x 6.35 in (150 x 64.4 x 191.7 mm)	
Weight (W/O Drives)	2.64 lbs / 1.2Kg	

Technical Specifications

- Enables tri-mode connectivity on systems with a Thunderbolt 3 port
- ARC-1686-8X cost-effective tri-mode RAID inside
- External SAS cable support: Passive copper and Active Optical
- Dual 40 Gbps Thunderbolt 3 ports with DisplayPort and device daisy-chain support
- Auto negotiation to 12Gb/s and 6Gb/s SAS/SATA and Gen4 NVMe devices
- External LEDs for link and access status for each channel
- Support for SAS tape devices and transport layer retries (TLR) for error handling
- Thunderbolt cable included
- Thunderbolt 3 certified for Mac and PC

Shared Storage Solution for 4K Video



areca®
At the Heart of Storage



12Gb/s Serial Attached SCSI

PCI EXPRESS

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