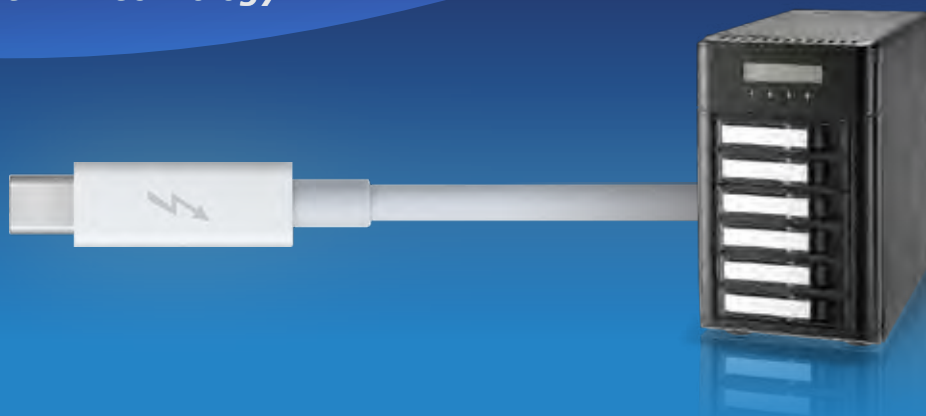


# Areca ARC-5028T2

Thunderbolt™ 2 Technology



## Highlights

- Two Thunderbolt 2 technology ports
- Daisy-chaining up to six devices
- Configuration by the Thunderbolt/LAN port/LCD
- Support bootable drive via Thunderbolt
- Delivers enterprise-class data availability and security
- Intelligent power On/Off function for data integrity
- Advanced configuration for video optimized performance settings
- One USB 3.0 port support

## Thunderbolt ARC-5028T2 RAID Storage

### Unleash Your Creativity Faster Than Ever

ARC-5028T2 features two cutting-edge interfaces, Thunderbolt 2 and SuperSpeed USB 3.0. Thunderbolt 2 is full backward compatibility to the same cables and connectors used with today's Thunderbolt. It pushes speed to 20Gb/s and enables 4K video file transfer and display simultaneously. ARC-5028T2 is equipped with dual Thunderbolt 2 ports for connecting to any Thunderbolt 2-enabled host such as the new Mac Pro, and offers an additional Thunderbolt 2 port for daisy-chaining other peripherals. The Thunderbolt daisy-chaining allows connection of up to six devices, so customers can connect ARC-5028T2 for massive amounts of video storage with a single Thunderbolt connection to their host computer. ARC-5028T2 can meet the demand of users when working with rich, ultra-high resolution media through Thunderbolt 2 interface. The SuperSpeed USB 3.0 interface offers high-performance connectivity and is backward compatibility with any computer running compatible versions of Mac OS X (such as Mac Pro) or Windows.

### Unparalleled Performance for 4K Workflow

ARC-5028T2 is a 6-bay 6Gb/s SAS/SATA Thunderbolt 2/USB 3.0 storage with RAID control capabilities solution for Mac and PC environment. ARC-5028T2 incorporated high performance ROC and 1GB DDR3 memory with ECC protection 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. It is so quick it allows for 4K displays at the same time as daisy chaining ARC-5028T2 and doing a simultaneous 4K output and file transfers while maintaining maximum throughput.

### Enterprise-class Data Availability and Security

ARC-5028T2 supports the hardware RAID 6 engine to allow two HDDs failures without impact the existing data and performance. It allows users to hot swap drive in the event of a drive failure with zero downtime. Its high data availability and protection derives from many advanced RAID features on the design. Intelligent power On/Off function on storage turns power in unison with the host computer power status. It can intelligently power down the unit after the thunderbolt host shuts down everything for data integrity. ARC-5028T2 also supports a battery backup option that protects all data in cache memory in the event of unexpected power outage. ARC-5028T2 supports USB 3.0 interface that allows old Mac Pro user and newest Mac Pro model to access same storage seamlessly.

### Enabling an Easy-to-Manage Storage

Configuration and monitoring can be managed either through the LCD control panel, Thunderbolt interface or LAN port. The intelligent cooling continuously adapts to environmental conditions by automatically controlling the speed of the cooling fans for the rapidly growing demand from the video editing markets. You can even configure ARC-5028T2 to intelligently spin down drives during periods of inactivity to further reduce noise and save energy. Areca solution of Thunderbolt 2 provides user the capability of adding bootable drive via Thunderbolt on Apple thunderbolt-capable machine.

## Thunderbolt™ 2 Performance



## Controller Architecture

- ARM\_based 933MHz storage I/O processor
- 1GB on-board DDR3-933 SDRAM with ECC protection
- Write-through or write-back cache support
- Support 6 internal 6Gb/s SAS/SATA ports
- Support bootable from RAID storage volume
- Redundant flash image for controller availability
- System status indication through LCD, LED and alarm buzzer
- Intelligent power On/OFF function
- Battery Backup Module ready (optional)

## RAID Features

- RAID level 0, 1, 10(1E), 3, 5, 6, 10, 30, 50, 60, Single Disk or JBOD
- Multiple RAID selection
- Support up to 1MB stripe size
- Online array roaming
- Online RAID level/stripe size migration
- Instant availability and background initialization
- Multiple pairs SSD/HDD disk clone function
- SSD automatic monitor clone (AMC) support
- Support global and dedicated hot spare
- Automatic drive insertion/removal detection and rebuilding
- Advanced configuration for smooth data streaming
- Support intelligent power management to save energy and extend service life
- Complete configuration management suite
  - McRAID manager – browser-based management tool (LAN or Thunderbolt)
  - Push Buttons and LCD Display panel for setup and status
  - Command Line Interface (CLI)- scriptable configuration tool
  - API libraries support - combine GUI with user management utility
  - SNMP support for remote monitoring
  - SMTP support for email notification

## Function Advantages

<b>Feature 1</b>	Bootable Drive Support
Provides user the capability of adding bootable drive via Thunderbolt on Apple thunderbolt-capable machine.	
<b>Feature 2</b>	Advanced Configuration
Provide optimized parameter to adjust controlled firmware behavior for smooth data streaming.	
<b>Feature 3</b>	USB 3.0 Support
1. Offer high-performance connectivity and is backward compatibility with any computer (such as Mac Pro) running compatible versions of Mac OS X or Windows. 2. Allow both old Mac Pro and newest Mac Pro model to access same storage seamlessly.	
<b>Feature 4</b>	BBM Support
Supports a battery backup option that protects all data in cache memory in the event of unexpected power outage for data availability.	
<b>Feature 5</b>	Intelligent Power On/Off Function
Turns ARC-5028T2 power in unison with the host computer power status for data integrity.	
<b>Feature 6</b>	Front Panel LCD and Buttons
Easy access for configuration and status report.	

## Product Features

Form Factor	Compact – 6 Bays Disk Tower
Host Connection	Two 20 Gb/s Thunderbolt 2 Technology Ports/ One 5Gb/s USB 3.0 Port
Disk Support	6 x 6Gb/s SAS/SATA 3.5"/2.5"HDDs/SSDs
OS Support	Mac OS X 10.8.5 or Higher & Windows 7/8
Enclosure Management	Thunderbolt Port, LAN Port, and LCD
Operating Temperature	0 ~ 40 °C
Power Supply/In/out	180W / 100-240V AC
Dimension (W x H x D)	4.84 x 8.45 x 9.11 in (146 x 255 x 290 mm)
Weight(W/O Drives)	13.2 lbs / 6.0Kg



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