

ARC-8050T3U Desktop Series

Thunderbolt™ 3 and USB 3.2 Gen2



Highlights

- High performance 40Gbps Thunderbolt 3 interface
- Support simultaneous 4K in/output workflow
- Support a USB-C (or) USB X.X computer port
- EFI Option ROM supported for macOS multi-boot
- Configuration by the Thunderbolt/LAN port/LCD
- Advanced configuration for video optimized performance settings
- Delivers enterprise-class data protection and security
- Controller-level hardware encryption (not available for 4-Bay)
- Support BBM option for cache protection (not available for 4/6M model)
- Intelligent power On/Off function for data integrity
- Thunderbolt 3 (USB-C) cable included

Thunderbolt ARC-8050T3U RAID Storage

Unleash Your Creativity Faster Than Ever

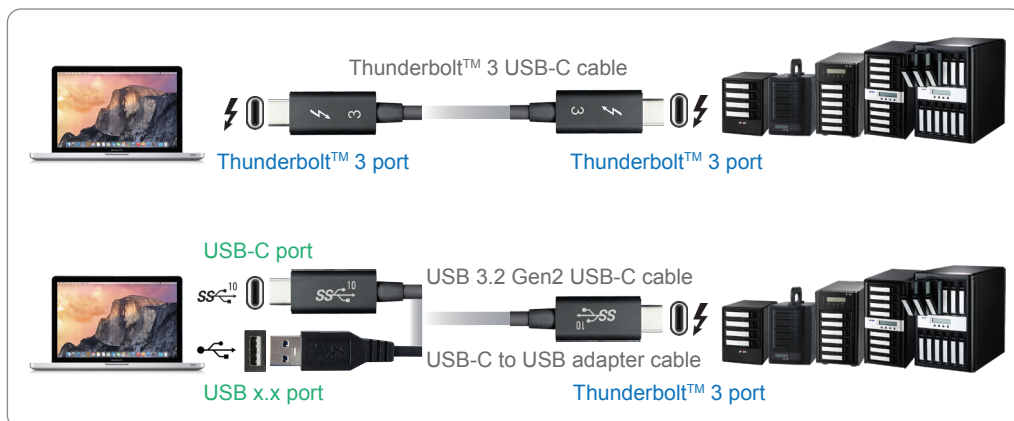
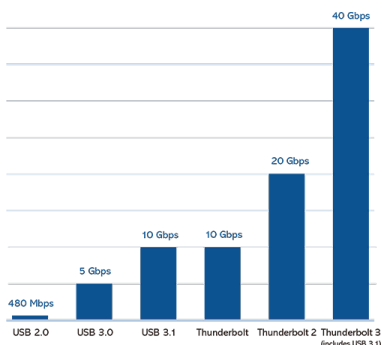
Thunderbolt™ 3 brings Thunderbolt to USB-C at speeds up to 40 Gbps, creating one compact port that does it all – delivering the fastest, most versatile connection to any dock, display, or data device. ARC-8050T3U is equipped with dual Thunderbolt 3 ports for connecting to any Thunderbolt 3-enabled host and offers an additional Thunderbolt 3 port for daisy-chaining other peripherals, while also supplying power for quick notebook charging. The Thunderbolt daisy-chaining allows connection of up to six devices, so customers can connect ARC-8050T3U for massive amounts of video storage with a single Thunderbolt connection to their host computer. If an ARC-8050T3U is plugged in a USB-C (or) USB X.X computer port, a USB device controller inside the ARC-8050T3U-enabled system is activated, and the inside USB device controller drives USB (2.0, 3.2 Gen 1, or 3.2 Gen 2) signals to the USB-C port. In this condition, the ARC-8050T3U Thunderbolt 3 port behaves exactly like a typical USB-C 3.2-enabled connector. The ARC-8050T3U also sports a full sized DisplayPort 1.4 video output on its rear, allowing for a quick and easy 8K 30Hz display setup.

Unparalleled Performance for 4K Workflow

ARC-8050T3U is the most complete 4/6/8/12-bay Thunderbolt 3 desktop SAS/SATA RAID storage with RAID control capabilities solution for both PC and Mac. ARC-8050T3U incorporated on-board RAID-On-Chip and ECC SDRAM memory to deliver true high performance hardware RAID protection against drive failure. This combination helps to provide a high performance storage device perfect for the video editor working with Real time multi-stream HD and 4K workflows. It is so quick it allows for 4K displays at the same time as daisy chaining ARC-8050T3U and doing a simultaneous 4K output and file transfers while maintaining maximum throughput.

Thunderbolt 3 and USB 3.2 Gen2 Ready

ARC-8050T3U Thunderbolt 3 port supports both Thunderbolt 3 & USB 3.2 Gen 2 protocol.



RAID Features

- RAID level 0, 1, 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
- Support global hot spare and local hot spare
- Instant availability and background initialization
- Advanced configuration for smooth data streaming
- Disk scrubbing/ array verify scheduling support
- Multiple pairs SSD/HDD disk clone function
- SSD automatic monitor clone (AMC) support
- SED (Self-encrypting drives) function support
- Support HDD firmware update
- Support for native 4K and 512 byte sector SAS and SATA devices
- Redundant flash image for adapter availability
- System status indication through LCD, LED and alarm buzzer
- Complete configuration management suite
 - McRAID manager – browser-based management tool (LAN or Thunderbolt)
 - ArcSAP manager – multi-language management software
 - 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

System Environment

- Operating Temperature : 0 ~ 35 °C
- Operating Humidity : 5% ~ 95 %, Non-condensing



Product Features



Function Advantages

Feature 1	USB-C Computer Port Compatibility Mode
Supports basic compatibility when ARC-8050T3U is connected to a USB-C (or) USB X.X computer port.	
Feature 2	Bootable Drive Support
Provides user the capability of adding bootable drive via Thunderbolt on Apple thunderbolt-capable machine.	
Feature 3	Advanced Configuration
Provide optimized parameter to adjust controlled firmware behavior for smooth data streaming.	
Feature 4	Controller-level Hardware Encryption
Board-level hardware encryption manages any kinds of drives attached to ARC-8050T3U without impacting the performance for higher levels of security. (not available for 4-Bay)	
Feature 5	BBM Support
Supports a battery backup option that protects all data in cache memory in the event of unexpected power outage for data availability. (not available for -4/6M model)	
Feature 6	Intelligent Power On/Off Function
Turns ARC-8050T3U power in unison with the host computer power status for data integrity.	
Feature 7	Front Panel LCD and Buttons
Easy access for configuration and status report.	
Feature 8	Network Interface
Embedded web server for remote control from one 10/100/1000 Ethernet (RJ-45).	

Form Factor	Desktop 4-Bay	Desktop 6-Bay	Desktop 8-Bay	Desktop 12-Bay	
Disk Port	4 x 6Gb/s SAS/SATA	6 x / 8 x / 12 x	12Gb/s SAS or 6Gb/s SATA		
I/O Processor	One Core 800 MHz SAS ROC	Dual Core 1.2 GHz SAS ROC			
On-Board Cache	1GB DDR3-800	2GB DDR3-1866			
Expansion Support	No	SFF-8644 (2-lanes)	No	SFF-8644 (4-lanes)	
Cooling Fan	1 x 2700rpm		2 x 2700rpm		
Power Supply	135W Adapter: 4/6M(inside), 4A(outside)		180W	270W	400W
Dimension(W/H/D)	4.84 x 6.51 x 9.11 in (123x165.6x232 mm)	4.84 x 8.45 x 9.11 in (146x255x290 mm)	5.7 x 11.8 x 11.4 in (146x302x290 mm)	8.1 x 12.2 x 11.4 in (206x310x290 mm)	
Weight	8.0 lbs / 3.6 Kg	13.2 lbs / 6.0 Kg	14.9 lbs / 6.8 Kg	20.8 lbs / 9.5 Kg	
BBM	N/A		Yes		
XLR	N/A	4-pin XLR	N/A		
RAID Level	0, 1, 10, 3, 5, 6, Single Disk, JBOD	0, 1, 10, 3, 5, 6, 30, 50, 60, Single Disk, JBOD			
Connection	Thunderbolt 3 x2/Display Port x1				
OS Support	Thunderbolt 3: macOS 10.12 or later & Windows 8/10 or later ; USB: OS Independent				
Computer Port Type	Thunderbolt™ 3, USB-C, USB X.X				



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