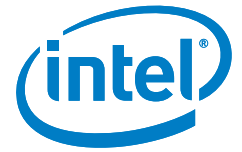


SOLUTION BRIEF

Accusys® Storage A12T3-Share Shareable
Thunderbolt™ Storage System
Intel® Thunderbolt™ 3 Controller
Topic: Advanced Storage Solutions



Shareable Thunderbolt™ Storage

Combining Intel and Accusys Storage to build the world's first shareable Thunderbolt storage for editing and transferring high resolution content



Overview

Whether your studio delivers video content for viewing or edits it for production, equipment managers and editors understand the need for concurrent, high-speed access to massive amounts of footage. The Accusys® Storage A12T3-Share Shareable Thunderbolt™ Storage System provides a 12-bay SAS and SATA, hardware-independent RAID system with a single QSFP port and four Thunderbolt 3 ports using Intel® DSL6340 Thunderbolt controllers.

Accusys' advanced shareable storage system enables up to four clients to connect to Thunderbolt 3 ports at 40 Gbps each. But more is always better when it comes to storage accessibility. Accusys delivers more speed by pairing two Thunderbolt 3 ports together per client (up to two clients) for twice the throughput (up to 80 Gbps with T-pairing). The system offers more capacity by enabling two Accusys Storage A12T3-Share systems to connect together through the PCIe port for twice the capacity, plus additional JBOD connectivity for up to 96 drives and nearly up to 1 PB of storage. Other key features include:

- **Flexible** – choose among RAID 0, 1, 5, 6, 10, JBOD with snapshots, and more.
- **Performance and Efficiency** – designed with advanced software: Disk Lag Proof, Native Command Queueing, and RAID array slicing for optimal RAID disk performance; equalization mode for optimal I/O efficiency.
- **Plug-and-Play** – supports native Thunderbolt plug and play.
- **Manageable** – includes user-friendly RAIDGuardX* Java-based management tool to minimize your time managing and maximize your problem solving.

Accusys – the world's
leader in RAID storage
solutions since 1995.



Built on Intel Thunderbolt 3 Controllers

The A12T3-Share uses four Intel® DSL6340 Thunderbolt controllers and supports Intel® SSDs to provide extremely high data transfer bandwidth for demanding concurrent 4k video read/write operations. Intel SSDs were used because of their consistent reliability and performance.

The Ideal Solution for Multiple Uses

Accusys A12T3-Share is ideal for video editing and management. Its scalability to up to 1 PB of storage means it offers long-lasting service as video content expands. And T-pairing enables users to increase their access performance simply and easily. But the system is also great for all media professionals, content creators, gamers, or anyone who needs extremely high performance access—with great reliability—to large quantities of high resolution 4K content.

The demand for reliable, high speed storage solutions in the video and post-production industry has grown exponentially with the advancements in the video and film industry. With the Accusys A12T3-Share, creative media professionals are able to utilize high capacity storage with Thunderbolt 3 to increase work efficiency and productivity in a rapidly evolving video production environment.

SYSTEM AND CONTROLLER	
System Type	12-bay Tower RAID system
Host Interface	Thunderbolt™ 3 x 4, QSFP x 1
Disk Interface	SAS/SATA
Disk Type	3.5"/2.5"/SSD
Data Transfer Rate	Thunderbolt 3: 40 Gb/s; QSFP: 32 Gb/s
Cache Memory	2 G DDRIII 1866 with ECC-protected
RAID CONTROLLER FUNCTIONS	
Online RAID set expansion and RAID level migration	
Online bad block data recovery and reallocation	
Online disk scrubbing with data refresh and parity	
Disk health monitoring by S.M.A.R.T	
Array roaming and drive traveling	
Mirror snapshot for fast backup and restore	
Disk Lag Proof Technology to guarantee disk timely response	
Equalization Mode to smooth the performance of sequential I/Os and reduce large fluctuation	
MANAGEMENT	
Java-based RAIDGuardX GUI	
Event log saving in text file for quick troubleshooting	
Event notification by email (SMTP)	
LED indicator for RAID and disk drives status in front	
400W x 2 (single or redundant), 110V~240V power supply	
Two 12 cm x 12 cm Fan with Smart Fan Control feature	
Dimensions	L: 369 mm, W: 175 mm, H: 394.6 mm
Weight	15.2 kg/33.5 lbs

LEARN MORE ABOUT ACCUSYS A12T3-SHARE

www.accusys.com.tw/T-Share/A12T3-Share/

Sales inquiry email: sales@accusys.com.tw

Technical support email: support@accusys.com.tw

LEARN MORE ABOUT INTEL THUNDERBOLT 3

www.intel.com/content/www/us/en/io/thunderbolt/thunderbolt-technology-consumer.html

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com/storage.

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