

Thunderbolt to SAS

AC-SAN-A1226T2

Thunderbolt to RAID Controller, Direct Connection



OVERVIEW

AC-SAN-A1226T2 is the most complete Thunderbolt 2 to 12Gb/s SAS box with RAID control capabilities solution for both PC and Mac. AC-SAN-A1226T2 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 12Gb/s SAS is designed for backward compatibility with 6Gb/s and 3Gb/s SAS/SATA hard drives. The 12Gb/s SAS interface supports both 12Gb/s SAS disk drives for data-intensive applications and 6Gb/s SATA drives for low-cost bulk storage of reference data. AC-SAN-A1226T2 only support directly attach to 4/8 SAS/SATA drives without supporting the expand function.

Controller Architecture

- Dual Core RAID-on-Chip (ROC) 1.2 GHz processor
- 1GB on-board DDR3-1600 SDRAM with ECC
- Write-through or write-back cache support
- Support up to 4/8 internal or 4/8 external 12Gb/s SAS ports
- Supports up to 8 x 12Gb/s SAS/SATA HDDs
- BIOS boot array support for greater fault tolerance
- Boot support for the uEFI host BIOS
- NVRAM for RAID event & transaction log
- Redundant flash image for controller availability

RAID Features

- RAID level 0, 1, 1E, 3, 5, 6, 10, 30, 50, 60, Single Disk or JBOD
- Multiple RAID 0 and RAID 10(1E) support (RAID 00 and RAID100)
- 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
- Controller level hardware encryption function support
- Support HDD firmware update

- Support for native 4K and 512 byte sector SAS and SATA devices
- Support HDD Xfer Speed test function
- Multiple pairs SSD/HDD disk clone function
- SSD automatic monitor clone (AMC) support
- Complete configuration management suite
 - McRAID manager – browser-based management tool (LAN or Thunderbolt)
 - 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

SPECIFICATIONS

Model	AC-SAN-A1226T2
Form Factor	Mini Box
Host Connection	Two 20 Gb/s Thunderbolt Technology Ports
External Ports	2x 12Gb/s mini-SAS SFF-8644 ports
OS Support	Mac OS X 10.8.5, 10.9 (Mavericks) and later & Windows 7/8
Enclosure Management	Thunderbolt Port and LAN Port
Cooling Fan	1 * noiseless cooling fan
Operating Temperature	0 ~ 35°C
Operation Humidity	5% ~ 95 %, Non-condensing
Power Supply/In/out	Input: AC 100-240V, 50Hz-60Hz Output: DC +12V/5A
Dimension	9.17 x 5.87 x 2.99 in
Weight	2.64 lbs