

ALNICO 6 SAS to SATA-II RAID Subsystems

2U 8bays/2U 12bays/3U 16bays

SAS to SATA-II RAID Subsystems



AL-6160SA /AL-6120SA/AI-6080SA, three new models of SAS-to-SATA RAID subsystems, to complete the Alnico RAID Subsystem 6 Series. Unlike the other Alnico 6 Series RAID subsystem models, The Alnico 6 SAS RAID adopts dual-port SAS interface for the SAS HBA connection and SATA-I/II backplane for the drive connection. Depending on necessities, the customers can select Alnico 6 SAS RAID to take the place of Ultra320 SCSI interface-based Alnico RAID subsystem models for the ultimate in performance and fully usage of high bandwidth coming from SAS technology.

The already released internal AL-6160SA performance testing chart shows Alnico 6 SAS RAID greatly enhances the data transfer rate 30~40% while being compared with Ultra320 SCSI interface-based Alnico RAID subsystem models. In today's industry, SATA-I/II drives are still the preference over SAS drives for the reasons that they are much more less expensive in the cost of per megabyte. Under this context, we designed this new model for Alnico RAID Subsystem 6 Series in the hope that the customers can have more varied choices, and the chance to enjoy the high stability and bandwidth of SAS technology with less cost.

Specifications

Model	AL-6160SA	AL-6120SA	AL-6080SA
System Architecture	<ul style="list-style-type: none"> * Intel IOP80321 Storage Processor. * Proprietary ACIS RAID 6 engine to support extreme performance RAID 6 function. * Up to 1GB DDR SDARM on one DIMM socket with ECC protection. * Battery Backup Modules ready(Optional). * Advanced 64-bit PCI-X 133Mhz bus architecture. 		
RAID features	<ul style="list-style-type: none"> * RAID Levels : 0, 1, 1E, 3, 5, 0+1, 6 & JBOD. * Multiple RAID selection. * Online RAID level/stripe size migration. * Online Array roaming. * Online capacity expansion and RAID level migration simultaneously. * Instant availability and background initialization. * Automatic drive insertion / removal detection and rebuilding. * Hot Spare Disk / Pass through Disk support. * Disk Scrubbing/Array verify. 		
System Type	3U Rackmount	2U Rackmount	2U Rackmount
Host Interface	Dual minSAS Connectors (2 x 3Gb Links per connector)		
Disk Interface	16 x SATA-II Channels	12 x SATA-II Channels	8 x SATA-II Channels
RAID Management	<ul style="list-style-type: none"> * Firmware-embedded Web Browser-Based RAID manager via built-in 10/100 Ethernet. * Firmware-embedded manager through front LCD control panel. * Firmware-embedded manager via RS-232 port. * Field-upgradeable Firmware in Flash ROM. 		
Monitoring/Indicators	<ul style="list-style-type: none"> * All system status can be monitored by Firmware-embedded Web Browser-Based RAID manager. * Firmware-embedded SNMP agent allows remote to monitor events with no SNMP agent required. * System status indication through LCD, LED and alarm buzzer. * All system events can be sent to multiple user alerts via e-mails. (SMTP). 		
Power Supply	Redundant by dual 460 Watts Power module with PFC Load sharing type and cable-less design	Redundant by dual 375 Watts Power module with PFC, Load sharing type and cable-less design	

* Specification subject to change without notice.