Sol™ Array SS12

Ultra320 SCSI Array Series

Ultra320 SCSI

Performance

Availability

Scalability

Reliability

Capacity

Flexibility

The Sol™ Array SS Ultra320 series of disk array is the best choice for today's applications requiring high performance, highest level of data integrity, and easy upgrades path of capacity.

Based on the advanced RAID technology, Sol™ Array SS12 series is designed to provide high reliability and unmatched performance for data intensive environment. Supports most platforms and operating systems with standard SCSI interface. By hardware based and host independent design, no OS or system driver modifications required. By integrated Accusys RAID controller, with the ISO9001 and complied to FCC/CSA/UL/CE certifications, Sol™ Arrays are the most reliable disk array for protecting data. With years of experience as an industry leader in advanced RAID array technology and products for UNIX, midrange and PC servers has given Solkenix unmatched insight in the disk array solutions available today.

Advanced Features

- 64-bit RISC CPU (Intel 80321, 600Mhz) RAID processor, High speed PCI-X internal bus and Hardware XOR
- 128MB Standard Cache, Up to 1GB ECC Data Cache per controller, supports mirrored cache in dual RAID controllers configuration (optional)
- RAID levels 0, 1, 0+1, 3, 5, 30, 50, NRAID, Global hot-spare setup
- Built-in environmental sensors for temperature/voltage/predictive analysis capability for Self-Diagnostics
- Optional Active/Active and Active/Passive redundant configurations
- Configurable to Two Ultra320 SCSI Host ports (320MB/sec per port) support Ultra Wide, Ultra2 SCSI
- Two to Four Ultra320 SCSI (320MB/s) Disk channels for maximized capacity and performance
- Selectable 8, 12, and 16 bay 19" rack mount that meets RETMA standard options. With key locks
- Java-based GUI RAID Management locally or remotely via TCP/IP provides configuration, management, monitoring. notification via beeper, email, pager, ... Optional Ethernet port for out-of-band management
- Online Dynamic RAID set Expansion, Array Roaming, HDD Traveling
- Disk Scrubbing and disk cloning
- Support Battery backup protection (up to 72Hr)
- Upgradeable to Fibre Channel 2Gb host port

General

System Architecture	64-bit RISC (Intel 80321, 600Mhz) RAID processor
Dual Controller Option	Dual Redundant, and Hot-swappable Active/Active or Active/Passive failover Technology
Host Bus Interface	One or Two Ultra320 SCSI (320MB/sec), upgradeable to 2Gb Fibre Channel
Disk Bus Interface	Two or Three Ultra320 SCSI (320MB/sec), upgradeable to Four
Command Queuing	255 commands (host and disk SCSI channels)
Cache	Up to 1GB per controller
Battery Option	Cache Battery backups data in cache for 72hr
Logical Unit Number	Up to 128 LUNs per host port with configurable sector size
Operating System Supported	Any O/S supporting standard SCSI with block size of 512bytes and SCSI LUNs
Online Modifications	On-line RAID set expansion, and firmware upgrades
Cooling	Two Auto-sense Dual Speed 40CFM hot-swap fans
Power Supply	Two 300-Watt load-sharing hot-swap power supplies
Alarm	Visual and audio alarms for HD, failover controllers, power, fan, and temperature
I/O Ports	4 Ultra320 SCSI Channel, 2 RS232
Hard Drive Connections	Passive Backplane for SCA Hot-swap HDD. Optional SCSI Wide 68pin cables.

Environmental

Temperature	Operating – 5℃ to 50℃	Storage - -20℃ to 85℃
Relative Humidity	5%-95% Non-Condensing	
Altitude	Operating – 0 ft. to 10,000 ft.	Storage - 0 ft. to 30,000 ft.

Physical

Installation	19" RETMA rack mount with slide rails. Optional Deskside Pedestal kit
Dimensions	19" Rack Mount - 19"W x 19"D x 7"H (4U, up to 12 HD)
Weight	52Lbs

Electrical

AC Input Power	Voltage : 90VAC to 220VAC (switch selectable) Frequency : 47Hz to 63Hz Protection : 10A / 250V Fuse	
DC Output Power	Cont. Power : 600W / 300W load sharing Optional : 800W / 400W load sharing +5VDC : 50A / 25A +12VDC : 28A / 14A	 -5VDC : 1.0A / 0.5A -12VDC : 1.0A / 0.5A

Optional

Host Channel	2Gb Fibre Channel x 2
Disk channel	Ultra320 SCSI x 2
Management	Ethernet port for out-of-band management
Battery Backup	72 hour