RSG362   3U 16-Drive 4-port iSCSI to SATA Raid Storage

Key Components

* CPU : Intel Xscale IOP 81342
* Memory : 1GB ~ 2 GB DDRII 533 DIMM supported
  32MB flash
* UARTs : support serial console management and UPS
* Fast Ethernet port for web-based management use.
* Front-end : Two Intel GbE NIC controllers
* Backend : Up to 24 SAS 3.0Gb/s, or SATA 1.5Gb/s or
  SATA 3Gb/s disks supported on the controller board
* LCM supported for easy management use
* Battery backup support (Optional)

Enclosure Monitoring

* S.E.S. support for standard enclosure management
* UPS management via the specific serial port
* Fan speed monitoring fan x3
* Redundant power supply monitor
* 3.3V, 5V and 12V voltage monitor
* Thermal sensors x 3 on the controller BOARD
* Thermal sensor x 3 (up to 24) in enclosure.
* Status report of the managed J200C SAS/SATA JBODs

RAID & Volume Operation

* RAID level: 0,1,0+1,3,5,6,10,30,50, 60 and JBOD
* Up to 1024 logical volumes in the system
* Up to 16 PDs can be included in one volume group
* Global and dedicated hot spare disks
* Write-through or write-back cache policy for different
  application usage
* Multiple RAID volumes support
* Configurable RAID stripe size
* Online volume expansion
* Instant RAID volume availability
* Auto volume rebuilding
* Online volume migration

Management Interface

* Management UI via serial console, SSH telnet,
  HTTP Web UI, and secured Web (HTTPS).
* Online system firmware upgrade mechanism
* Event notification via Email, SNMP trap, browser
  pop-up windows, Syslog, and Windows Messenger.
* Run-time IO transactions recording
* Built-in LCD module to control most enclosure
  components
* iSNS and DHCP support
* CHAP authentication enabled

Advanced Data Protection

* Qsnap
  (a) Built-in snapshot with rollback enabled
  (b) Snapshot enabled up to 16 volumes, each logical
      volume supports up to 32 snapshot volumes, total
      512 snapshot volumes per controller
* Microsoft Windows Volume Shadow Copy Services
* Local N-way mirror
* Offline array roaming
* Smart faulty sector relocation
* Battery backup support (optional)

Host Connection

* 4 x GbE ports support independent access, failover
  and load-balancing (802.3ad port trunking, LACP)

* Multiple iSCSI target nodes support
* Microsoft MPIO enabled
* iSCSI jumbo frame support
* Header/Data digest support
* LUN access control: Read-Write and Read-Only
* Up to 32 host connections
* Up to 16 hosts clustered for one volume
* Support Windows, Linux and MAC OS
* Drive Support

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