

Overview

The Utilizing the cost-effective 3Gbps Serial ATA disks, the Élan RAID™ offers Enterprise-grade solution for applications that demand nothing short of superior reliability. Designed to meet the challenge of high impact/high volume network storage requirements, the new ULTRA-STOR™ RS16 can be configured in minutes and is becoming the new standard for simplified a storage. With hundreds of installations worldwide Enhance Technology's Élan RAID™ product line has built a solid reputation in markets spanning from video broadcasting to emerging disk based backup & recovery infrastructures.

High Data Availability Features

The Élan RAID™ offers a wide range of RAID settings including 0, 1 (0+1), 3, 5, 6, 30, 50 and JBOD. Support for multiple array configurations are included to allow added flexibility ensuring your investment will be in use years down the line. Drive failure detection, automatic drive rebuild, hot spare assignment and background rebuild, make it possible for users to monitor and address system conditions. Dynamic On-line RAID expansion allows additional capacity to be added without total system downtime, adding piece of mind knowing your data is protected at all time.

Controls & Indicators

Comprehensive LCD control panel facilitates the setup process and lets users reconfigure the system as their needs change. LED based indicators provide easy visual monitoring and system status at a glance. The Élan RAID™ also provides an audible alarm in the event of a component failure.

Storage Management

The Élan RAID™ system is unparalleled in its simplicity, ease of use, installation, and storage management. Our user friendly Web Graphical User Interface allows one to deploy and manage the disk array from virtually anywhere in the world with simple internet access, no additional management software ever needed.

Enterprise Feature and Performance

Featuring two SCSI ports, the RS16 runs 10 times faster than a NAS system and provides versatility critical to a company's IT infrastructure. Élan RAID™ is powered by a cutting edge 64-bit RAID engine, up to 1GB cache, and 3.0 Gbp/s disks, which maximizes disk performance (over 300MB/s single channel) allowing for a broader range of storage possibilities. Built-in enterprise feature such as Snapshot, providing point-in-time recovery that safeguard accidental deletion, makes the new Élan RAID™ an ideal solution for server storage such as Microsoft Exchange & SQLServer, as well as professional storage applications such as Disk-to-disk backup, database pools, image acquisition, near line storage, data centers, media & asset management libraries and shared SAN networks. Dynamic on-line RAID expansion allows additional capacity to be added without total system downtime, increasing your department's productivity.



Form Factor

- 3U low profile 19" rack mount
- 16 SATA/ Serial ATA disk drive bays

System Architecture

- SATA-to-SCSI (Ultra 320 SCSI support)
- Dual channel (2) SCSI ports

Disk Drive Interface

- HDD: SATA/Serial ATA 1.5Gb/s or 3Gb/s
- Form factor: Low profile 1" SATA disks
- RPM: 7200-10,000

Controller Architecture

- Dedicated RAID processor
- Dual PCI bus architecture
- 64-bit 133MHz PCI-X bridge
- 512MB cache (upgradeable to 2G)
- Upgradeable firmware in flash ROM

Controls and Indicators

- Backlit LCD control panel
- Power and drive failure indicators
- Built-in alarm with mute button
- Optional battery backup module

RAID Operation

- RAID level 0 (0+1), 3, 5, 6 and JBOD
- Multiple array support (up to 8 separate arrays)
- Hot-swap drive support
- Hot/global spare drive support
- Online capacity expansion

Management

- User configurable via control panel
- Web browser remote management
- RS232 VT100 ANSI terminal emulation
- Event & fault notification to e-mail

Enclosure Specification

- Hot Swappable** 16 x Removable HDD Tray
- Drive Failure** 16 x LED Indicator for each HDD
- System Fan** 3 hot-swappable blowers
- Status LEDs** 1 x access LED for each HDD
- Fan fail LED** 1 x fan-fail LED for system
- Mute Button** 1 x mute button for fan & temp alarm
- Power Supply** 1+1 Hot-swap Redundant (2x460Watt)
- Dimension (H x W x D)**5.25" x 19" x 19.5"
- Weight (without disk)**80 Lbs

Physical & Environment

- Temperature** built in thermal & fan sensor
- Operating Temperature** 10°C ~ 35°C
- Non-Operating Temperature**-10°C ~ 50°C
- Operating Humidity** 20% to 90% non-condensing

Supported Operating System

- Windows 95, 98/98SE, NT, 2000, Millennium, XP, 2003
- Mac 9.1 and above
- Linux (all latest builds)

Power Supply

- Dual redundant removable power modules
- 1+1 hot swappable
- AC input: 90 ~ 264 VAC, 47Hz ~ 63Hz
- Continuous output power: 460W

Cooling

- Three hot swappable fan modules
- DNI BFB0712H brushless blowers
- 12V DC, 0.36A, 3-pin connector

Manufacturer Warranty

- System Warranty** 3 years
- Advanced Replacement** 90 Days
- Certification** FCC, CE, UL, TUV, BSMI, VCCI



