

R-SS-5

Powerful Storage for Media Streaming



R-SS-5

Our mission is to give your business affordable, secured, and high-performance data storage solutions.

In data management field, we focus on cost effective, efficient, reliable, and easy-to-use solutions to meet SMBs' storage requirements. Our storage technology supports all major open operating systems, and is certified compatible with storage software and infrastructure components from leading industry vendors. Our award winning technology and products are key strengths to approach our goal of being the number one choice to the world's most demanding IT companies.

High storage density for flexibility and economy

Seagate® Barracuda® ES hard drives are reliable as they have features like workload management, which reduces drive failure & lowers system heat levels by verifying data integrity when drive is thermally stressed.

Barracuda ES drives have IRAW (Idle Read After Write), which verifies the integrity of recently written data during idle time.

ERC (Error Recovery Control), another very important feature, which reduces unnecessary RAID rebuilds to drive error recovery times exceeding system timeout period.

The Barracuda ES drive is a best fit for nearline storage applications because of improved rotational vibration, PowerTrim™ technology, and quick and robust download FIW security.

Overview

Have you ever thought that a storage system can be featured by a high reliability, unparalleled performance and small physical size? These advantages are being exactly delivered by the following subsystem with RAIDSTORE's cutting-edge SATA II technology. In fact, SATA RAID Family is a cost-effective internal/external SATA RAID subsystem. With its RAID mode 0/1/5, R-SS-5 SATA RAID Family supports five SATA disks and can be directly attached to the host computers by the prevalent and high-performance connections, eSATA/SATA. Moreover SATA RAID Family can be connected to the host computers with heterogeneous platforms without any driver installation. For the increasing various demands from industries, customers can choose RAIDSTORE solutions to meet their expectations and keep a bunch of invaluable data. Besides, these solutions can fulfill data storage needs of small and medium business, manufactures, various industries, video/audio/image editing on Mac/PC and SOHO users with the strong reliability and excellent performance.

R-SS-5 RAID FAMILY



eSATA-to-SATA 5-Bays RAID Tower

▶ Host Interface

- One 3.0Gbps eSATA port

▶ Disk Interface

- Five 3.0Gbps SATA ports (for 3.5" HDDs)

▶ RAID Functions

- RAID levels: 0, 1, 5
- Automatic online background data rebuilding
- Automatic disk failure detection
- Support S.M.A.R.T
- Array roaming
- Auto-spare & hot-spare
- Hot-swap

▶ Management

- Driverless: need no driver on host side
- LCD panel for operation status display
- LED indicators for disk status display
- RAID level selection and configuration by LCD panel or UART/ Web console
- NVRAM for transaction log, event log and system configuration settings
- Event notification by audible alarm
- Fan, voltage and system temperature monitoring
- RS232/Ethernet port for either configuration through VT100 Console or Web
- Management through HTTP Browser

Application

Personal Video / Audio Editing Application R-SS-5



Individual Mac / PC user

- Video / Audio / Image Editing Storage
- 3D animation software user (LightWave 3D, MAYA etc.)
- 2D image editing software user (PHOTOSHOP, Corel Draw etc.)
- Film editing software user (CyberLink MagicDirector etc.)
- Personal Data Storage

DVR Capacity Expansion Application R-SS-5



Small and Medium Business

- Web Page Data Storage (IIS, Apache etc.)
- File Storage (FTP etc.)
- Database Storage (MS SQL, Oracle etc.)

DVR Business

- External Storage Expansion

Seagate Barracuda ES Specs

- ▶ Capacity-SATA 3Gb/s, 1.5Gb/s - 1 TB, 750 GB, 500 GB, 250 GB
- ▶ Spindle Speed (RPM) - 7200
- ▶ Cache, Multisegmented (MB) - 32 (SATA), 16 (SAS)
- ▶ Seek Time, Read/Write (average, msec) - 8.5/9.5
- ▶ Mean Time Between Failures (MTBF) (hours) - 1.2 million
- ▶ Reliability Rating at Full 24x7 Operation (AFR) - 0.73%
- ▶ Transfer Rate, Sustained (MB/s) - 105
- ▶ Power Consumption (W, idle) - 8.0
- ▶ Rotation Vibration @ 1500 Hz max (rad/sec²) - 12.5

*Specification are subject to change without notice. All company and product names are trademarks of their respective owners.