

3ware 9650SE Features

- 8th-generation StorSwitch™ non-blocking switched architecture.
- On-board I/O RISC processor and RAID offload provides true hardware RAID.
 - SCSI device driver model to take advantage of the benefits of SCSI using inexpensive Serial ATA drives .
- Bootable array support for greater fault tolerance.
- Variable stripe size for performance tuning by application.
- 64-bit LBA support.
- ATA pass-through mode support.
- Up to 512MB DDR2 533 memory with ECC protection. (see table below)
- 32 pooled DMA channels.
- Complete configuration management suite.
 - 3ware BIOS Manager 2 (3BM2) – easy to use BIOS configuration tool.
 - 3ware Disk Manager 2 (3DM®2) – browser-based management tool.
 - Command Line Interface (CLI) – scriptable configuration tool.
- SNMP support.
- SMTP support for email/pager notification.
- ATA/6 and Out of band (OOB) staggered drive spin-up support.
- Auto carving allows LUNs > 2TB to be divided into multiple units for legacy operating systems limited to 2TB max. per LUN.
- Battery Backup Unit (BBU) support.
- Multiple logical unit sizes and RAID levels on one card.
- Multiple card support within a system for large storage requirements.
- Hot-swap and hot-spare support for data availability.
- Dynamic sector repair for robust data protection.
- S.M.A.R.T. disk drive monitoring for reliability.
- Emergency Flash Recovery protects against failed firmware upgrade.
- Drive activity LED support.
- Online Capacity Expansion and RAID Level Migration.
- Enhanced data protection with write journaling for non-redundant arrays and accidental drive removal.
- Drive insertion and removal notification.
- Array/Drive Status and drive identification LED support. (requires 3ware Chassis Control Unit-enabled backplane)
- Chassis Control Unit for enclosure management via I2C