Dell PowerEdge S110 Software RAID

A low-cost, entry 3Gb/s SATA software RAID solution for value and enterprise servers.

The Dell™ PowerEdge™ S110 Software RAID solution provides small to medium business owners the ability to utilize RAID technology at no additional costs when operating Microsoft® operating systems. The S110 solution delivers trusted PowerEdge RAID reliability with minimal maintenance effort. Dell's entry software RAID product offers a straight-forward solution that includes essential RAID levels and uncomplicated configuration options.

Simplified storage management

Protect your data using storage management utilities by configuring data-redundancy, assigning hot spares, and rebuilding failed physical disks. Dell OpenManage™ Storage Services (OMSS) provides enhanced features for configuring and monitoring a system's locally-attached RAID and non-RAID disk storage. With the Storage Management service, you can perform controller and enclosure functions for all supported RAID and non-RAID controllers and enclosures from a single graphical or command-line interface. This intuitive interface of the Dell Lifecycle Controller is the Unified Server Configurator, which

is a preinstalled configuration utility that enables storage management tasks from an embedded environment throughout the controller's lifecycle. The wizard-driven interface offers features for novice to advanced users, and the command-line interface is fully-featured and scriptable.

> Utilize RAID technology at no additional costs when using Microsoft operating systems, including essential RAID levels and uncomplicated configuration options.

Feature	Technical specification	
Solution provided	Low-cost, entry-level 3Gb/s SATA software RAID offering for value and enterprise/mainstream servers.	
Maximum physical/virtual disks	4/8	
Minimum/maximum physical or virtual disks	RAID 0: 2/4￼ RAID 1: 2/2	RAID 10: 4/4￼ RAID 5: 3/4
Host bus type	x4 SATA ports; AHCI	
Data transfer rates	Up to 3Gb/s per port	
SATA controller	Intel® X79	
Key RAID data protection features	**RAID levels 0, 1, 5, 10, 50:**￼ Selectable logical drive as boot drive￼ Consistency check￼ Hot-plug support￼ Global hot-spare support￼ Dedicated hot-spare support	Online Capacity Expansion (OCE)￼ SATA SSD support￼ Boot to internal Dell PowerVault™ RD1000 for disaster recovery￼ UEFI boot support￼ HII support￼ Virtual disk rebuild
RAID Management	CTRL-R￼ Dell OpenManage™ Storage Services	Dell Lifecycle Controller￼ HII
Environments	Ambient server temperature	
Operating systems	Microsoft® Windows	

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