



Dell PowerEdge HBA330 Internal SAS HBA

The Dell PowerEdge HBA330 12Gb/s Serial-Attached SCSI (SAS) HBA provides high-performance connectivity.

Dell PowerEdge enterprise-class controllers enhance performance, increase reliability and fault tolerance and simplify management, providing a powerful and easy-to-manage way to create a robust infrastructure and help maximize server uptime. The Dell PowerEdge HBA330 12Gbps SAS Host Bus Adapter (HBA) is part of the Dell PowerEdge 12Gbps SAS Controller family.

Manage data overload

Providing up to 12Gbps throughput and improved hardware performance, the PowerEdge HBA330 internal controller helps you manage demanding workloads with high-performance connectivity and flexibility for SDS environments and applications that manage storage.

Latest technology enhancements

The PowerEdge 12Gbps SAS HBA cards integrate the latest enhancements in PCI Express® (PCIe) and SAS technology. Eight lanes of PCI Express 3.0 provide fast signaling for high bandwidth applications and complies with the T10 SAS 3.0 specifications.

Performance advantage

The PowerEdge HBA330 supports 12Gbps SAS, 6Gbps SAS and 6Gbps SATA Hard Disk Drives and Solid State Drives. The HBA330 supports 8 SAS ports operating at 12Gb/s data transfer rates and can reach over 1 million IOPs.

Easy to use

Dell PowerEdge servers with mini-monolithic PERC slots and PCIe Adapter card slots are supported. The PowerEdge HBA330 communicates with SAS/SATA devices using 2x4 mini-SAS HD connectors that connect internally to our server backplanes.

The Dell PowerEdge 12Gb/s SAS HBA helps you manage demanding workloads with high-performance and easy-to-manage connectivity.

Feature	PowerEdge HBA330 Internal 12Gbps SAS HBA technical specifications	
SAS technology	SAS 3.0	
Support for x4 or x8 PCIe host interface	Yes	
Form factor	Mini Monolithic (rack servers) and low-profile PCI adapter card	
I/O controller (IOC)	LSI SAS3008	
Operating voltage requirements	+12V, +3.3V, +3.3V aux	
Host bus	x8 lanes, PCIe 3.0	
Communication to the end devices	SAS links	
SAS connectors	2 x4 internal (8 ports)	
Lead free	Yes	
LED indicators	Internal Activity/Fault per x4 port: Heartbeat	
Supported operating systems	Microsoft® Windows Server® 2008 R2 SP2 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Red Hat® Enterprise Linux® 6.7 Red Hat Enterprise Linux 7.1 SUSE® Linux Enterprise Server 11 SP4 SUSE Linux Enterprise Server 12 SP3	Virtualization options: VMware® ESXi 5.5 VMware ESXi 6.0
Dell-compliant SAS compatibility	Yes	
SMART error support through management applications	Yes	
Backplane-supported systems		
Hardware-based RAID support	No	

End-to-end technology solutions

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