



Dell EMC PowerEdge HBA345 Internal SAS HBA

The Dell EMC PowerEdge HBA345 12Gb/s Serial-Attached SCSI (SAS) HBA provides high-performance connectivity.

Dell EMC PowerEdge enterprise-class storage 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 EMC PowerEdge HBA345 12Gbps SAS Host Bus Adapter (HBA) is part of the Dell EMC PowerEdge 12Gbps SAS HBA controller family.

Manage data overload

Providing up to 12Gbps throughput and improved hardware performance, the PowerEdge HBA345 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 HBA345 card provides eight lanes of PCI Express 3.0 to the host for high bandwidth applications and complies with the T10 SAS 3.0 specifications.

Performance advantage

The PowerEdge HBA345 supports 12Gbps SAS, 6Gbps SAS and 6Gbps SATA hard disk drives and solid-state drives. The HBA345 provides 16 SAS ports operating at 12Gb/s data transfer rates and can reach over 1 million IOPs.

Easy to use

Dell EMC PowerEdge servers with front-mounted (custom) controller slot and PCIe Adapter card slots are supported. The PowerEdge HBA345 communicates with SAS/SATA devices using 2x8 mini-SAS HD connectors that connect internally to our server backplanes.

Dell EMC PowerEdge 12Gb/s SAS HBA

Helps you manage demanding workloads with high-performance and easy-to-manage connectivity.

HBA345 – Internal 12Gbps SAS HBA

Features	Technical Specification
SAS technology	SAS 3.0
Supports x8 PCIe host interface	Yes
Form factor	PCIe adapter card (HHHL) & Custom (Front)
I/O controller (IOC)	LSI SAS3416
Operating voltage requirements	+12V, +3.3V, +3.3Vaux
Host Bus	x 8 lanes, PCIe 3.0
Communication to the end devices	SAS links
SAS connectors	2x8 internal (16 ports)
Supported operating systems	Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux Ubuntu Server SUSE Linux Enterprise Server VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport .
Dell-compliant SAS compatibility	Yes
SMART error support through management applications	Yes
Backplane-supported systems	Yes
Hardware-based RAID support	No

Global services and support

Dell EMC Services can help reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. The Dell EMC Services team takes a holistic view of your needs, and designs solutions for your environment and business objectives while leveraging proven delivery methods, local talent and in-depth domain knowledge for the lowest total cost of ownership.

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