

# LSI 9300-8e 12Gb/s SAS Host Bus Adapter Reference Guide

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## Overview

The LSI 9300-8e is a 12Gb/s SAS adapter which provides two 12Gb/s Mini-SAS HD external connections. The LSI HBA supports 8 PCI Express lanes and complies with the latest PCI Express 3.0 specification. Each HBA supports 8 individual SAS lanes operating at 12Gb/s (4 per port).

## Dell Server and Storage Support

The LSI 9300-8e HBA is compatible with all Dell 11<sup>th</sup>, 12<sup>th</sup>, and 13<sup>th</sup> generation PowerEdge Servers that have a PCI Express (PCI-e) x8 slot.

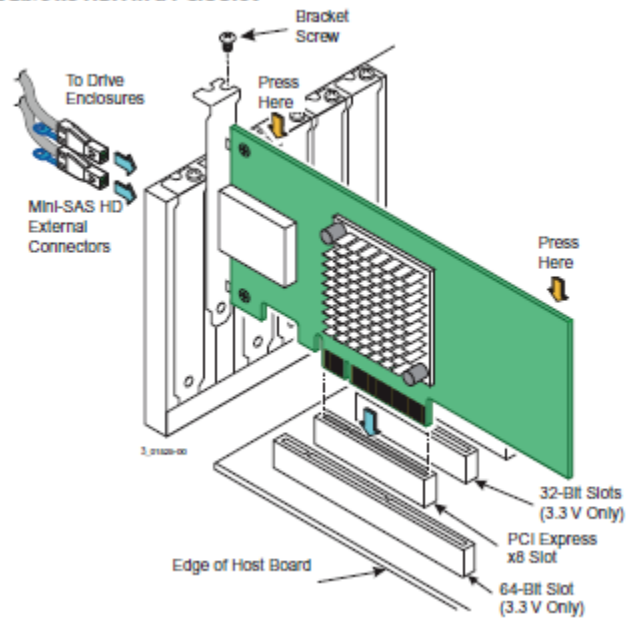
The HBA is backwards compatible with previous PCI-e and SAS generations through automatic negotiation and provides SAS data transfer rate of 12 and 6 Gb/s per lane.

The LSI 9300-8e HBA is fully functional, tested and supported with the Dell PowerVault MD34/38 series storage arrays. It is not supported when attached to any other Dell storage products.

Refer to the *Dell PowerVault MD34XX/38XX-Series Storage Array Support Matrix* for additional details.

## Installation Instructions

### Install an LSI 12Gb/s x8 HBA in a PCIe Slot



## **Dell PowerEdge Server Slot Priority**

The Dell PowerEdge Server expansion card slot priority tables can be found in the Hardware Owner's manuals posted on Support.dell.com for each server.

The LSI 9300-8e HBA should be installed in the PowerEdge server using the same guidelines for slot priority as the Dell 6Gbps SAS HBA. This verbiage may vary depending on the server and the version of the hardware owner's manual, but may be listed in one of the following ways in the slot priority matrix: *Dell 6Gbps SAS HBA, Non-RAID, or All other Dell storage cards.*

## **Firmware and Driver Download**

The latest LSI 9300-8e firmware and drivers are available for download on Support.dell.com within the respective MD34/38 series storage array product pages.