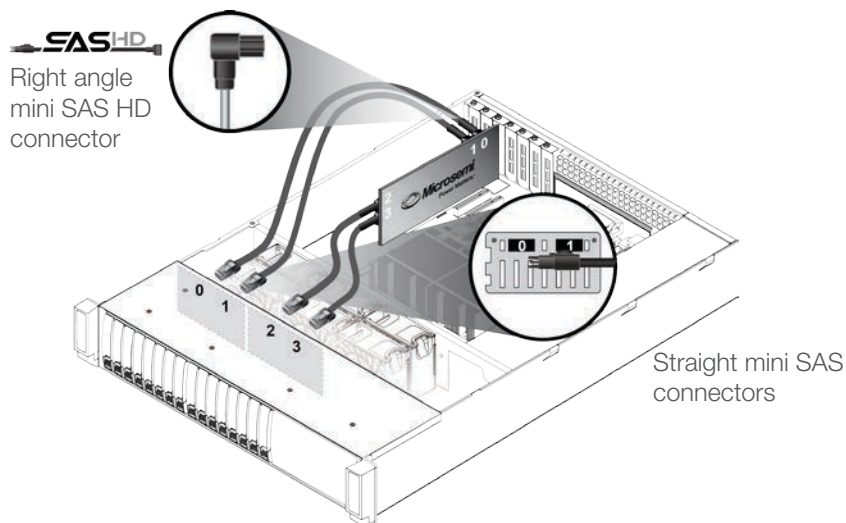


Microsemi Adaptec® 81605Z/81605ZQ in 2U Chassis

81605Z/81605ZQ RAID adapter with right angle mini SAS HD connector in a generic 2U chassis that has sixteen 2.5" drive bays with mini SAS connectors in their backplanes



Requirements

2U Chassis are one of the most common rack-mount configurations because of the low profile footprint, and the industry's adoption of 2.5" small form factor (SFF) drives for maximum storage capacity. This presents some challenges for RAID adapter cards with respect to:

- Height of the boards
- Limited performance of a PCIe Gen3 RAID card with only 8 ports
- Cables with straight connectors
- Expander modules/backplanes

Series 8 RAID Solution

- The 16-port RAID adapter, an MD2 low-profile card, easily plugs into a PCI Gen3 slot, with 200 LFM airflow in a 2U chassis.
- The Series 8 RAID PCIe Gen3 low-profile RAID adapter with 16 native SAS/SATA ports takes full advantage of PCI Gen3's capabilities (16 x 6 Gbps SAS ports = 9.6 GB/s) without the overhead and cost of using two 8-port adapters or expanders.
- Microsemi's new right-angle connectors. For more information on SAS HD cables visit: <http://www.microsemi.com/products/storage/cables-accessories/cables-accessories>.

16-Port RAID Card with 4 Internal Cables

Configuration

- 81605Z or 81605ZQ: 16 ports, low profile.
- The ACK-I-rA-HDmSAS-mSAS-.8M is an internal right angle mini serial attached SCSI HD x4 (SFF-8643) to mini serial attached SCSI x4 (SFF-8087) cable.
Ordering part number: 2280200-R.
- HDDs and SSDs—check the compatibility guide at: <http://www.microsemi.com/products/storage/compatibility>
- Built-in Flash Module 700 (AFM-700): super capacitor module for maintenance-free cache protection with real-time monitoring



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