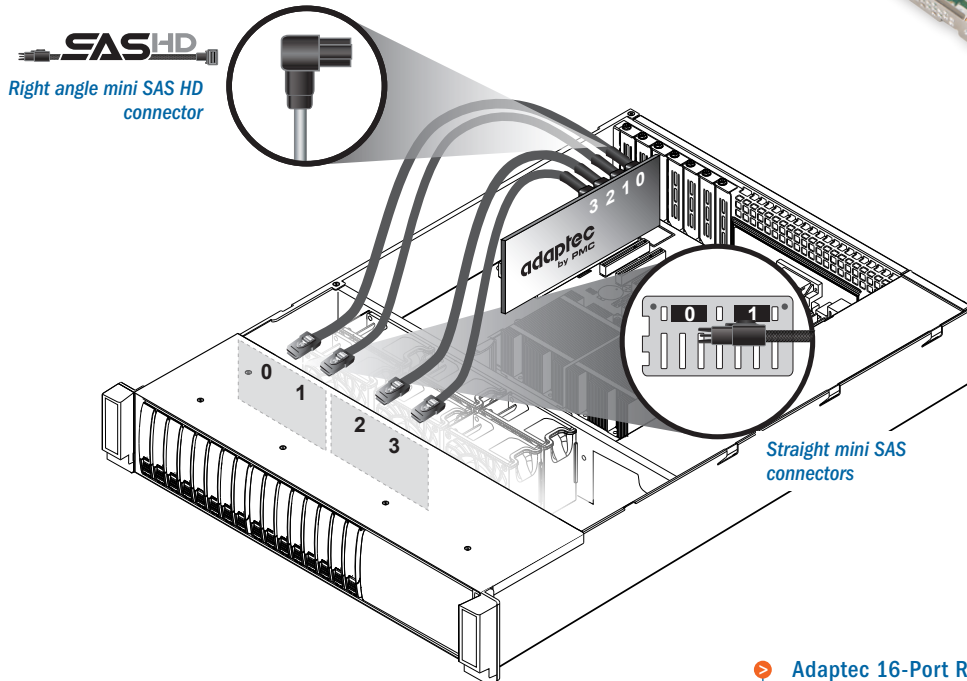
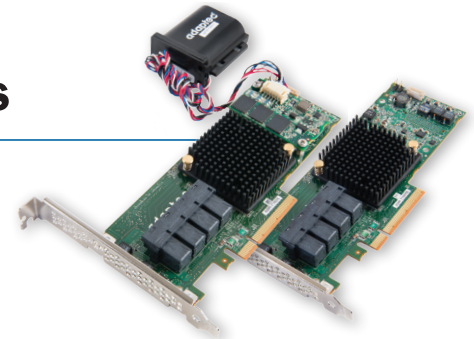


Adaptec 71605 or 71605E in 2U Chassis

Adaptec 71605 or 71605E with right angle mini SAS HD connector in a generic 2U chassis with 16 storage bays for 2.5" drives with backplanes with mini SAS connectors



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-inch Small Form factor (SSF) drives for maximum storage capacity. This presents some challenges for RAID adapter cards with respect to:

- (1) Height of the boards
- (2) Limited performance of a PCIe Gen3 RAID card with only 8 ports
- (3) Cables with straight connectors
- (4) Expander modules/expander backplanes

Adaptec by PMC Series 7 RAID Solution:

- The Adaptec 16-port RAID adapter, an MD2, low-profile card easily plugs into a PCI Gen3 slot, with 200 LFM airflow, in a 2U chassis.
- Adaptec is the only PCIe Gen3, low profile RAID card available today with 16 native SAS/SATA ports. The 16 native ports take full advantage of the PCI Gen3 capabilities (16 x 6Gb/s SAS ports = 9.6 GB/s) versus the overhead and cost of using two 8-port adapters or expanders.
- Adaptec's new right-angle connectors. For more information on SAS HD cables visit: www.adaptec.com/cables

The illustration above is specific to 16 drive bays. For 24 drive bays we recommend the Series 7 24-port card (ASR-72405) be installed with a riser card, you will find the integration guide at: http://www.adaptec.com/en-us/_common/compatibility/

Adaptec 16-Port RAID Card with 4 Internal Cables Configuration:

Adaptec 71605 for maximum full RAID performance: 16 port, low profile
Single Part Number: 2274400-R

Adaptec 71605E for entry-level RAID/HBA applications: 16 port, low profile
Single Part Number: 2274500-R

Adaptec 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.
Part Number: 2280200-R.

HDDs and SSDs - check the compatibility guide at http://www.adaptec.com/en-us/_common/compatibility/

Adaptec Flash Module 700 (AFM-700) Optional: Add-on super capacitor module for maintenance-free cache protection with real-time monitoring.