

Storage Controller Considerations

• Storage Controller Cable Connectors and Backplanes, on page 1

Storage Controller Cable Connectors and Backplanes

This section describes cabling for the storage controllers and backplanes. The SAS/SATA cables are factory-installed and are used for all supported internal controllers.

This section also contains diagrams that show the cable-to-drive mapping.

Cisco 12G Modular SAS RAID Controller or HBA For Up To 10 Drives (UCSC-RAID-M6HD or UCSC-SAS-M6HD)

These controller are supported 10-Drives SSD server version.

This HW RAID or HBA option can control up to 10 front-loading SAS/SATA drives in this server version.



Note

Front NVMe drives are not managed by the RAID controllers.

- 1. Server supports one Cisco M6 12G SAS RAID or Cisco M6 12G SAS HBA Controller that connects to the mother board.
 - Front-loading drive bays 1—10 support 2.5-inch SAS/SATA drives
 - Optionally, front-loading drive bays 1 to 4 support 2.5-inch NVMe SSDs (with optional front NVMe cables). These are not managed by the controller.

Drives 1 and 2 connect to NVMe connector A. Drives 3 and 4 connect to NVMe connector B.

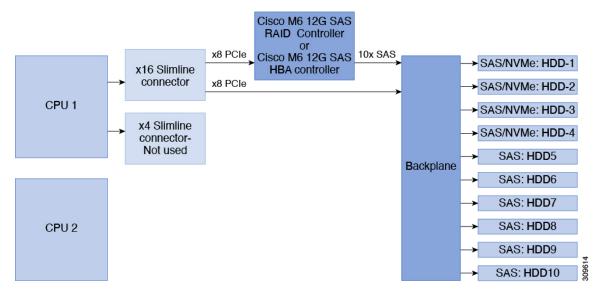


Figure 1: Cisco UCS C225 M6 Block Diagram with Cisco M6 12G SAS RAID or Cisco M6 12G SAS HBA Controller

- 2. Server supports all NVMe drive version.
 - Front-loading drive bays 1—10 support 2.5-inch NVMe SSDs connected to all NVMe backplane.

Figure 2: All NVMe Backplane

