



Storage Controller Considerations

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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 24G Modular SAS RAID Controller or HBA For Up To 10 Drives (UCSC-RAID-HP, UCSC-RAID-M1L16, UCSC-HBA-M1L16)

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.

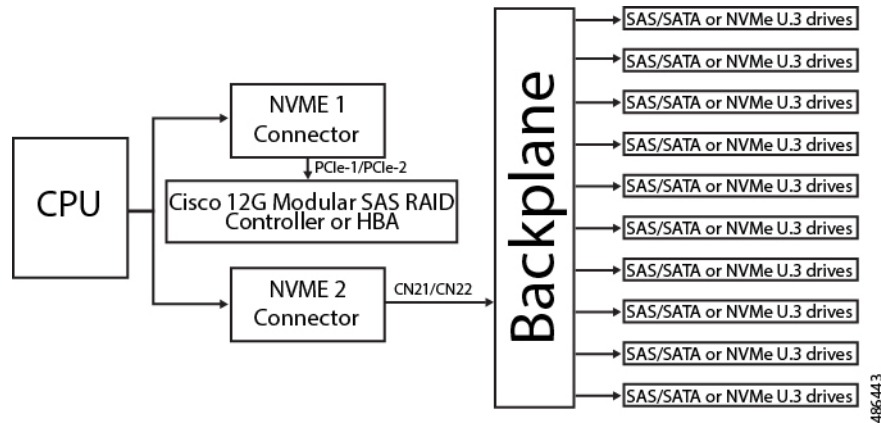


Note Front NVMe drives are not managed by the RAID controllers.

1. Server supports one Cisco M8 24G SAS RAID or Cisco M8 24G 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 M8 Block Diagram with Cisco M8 24G SAS RAID or Cisco M8 24G SAS HBA Controller



2. Server supports all NVMe drive version.

- Front-loading drive bays 1—10 support 2.5-inch SAS/SATA or NVMe U.3 drives connected to backplane.

Figure 2: Cisco UCS C225 M8 Block Diagram without RAID Controller

