# Front Mezzanine Module Overview

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# Overview

The UCSC X24g tri-mode M1 front mezzanine module intended for use in Cisco UCS X-Series compute nodes, starting with Cisco UCS X210c M8.

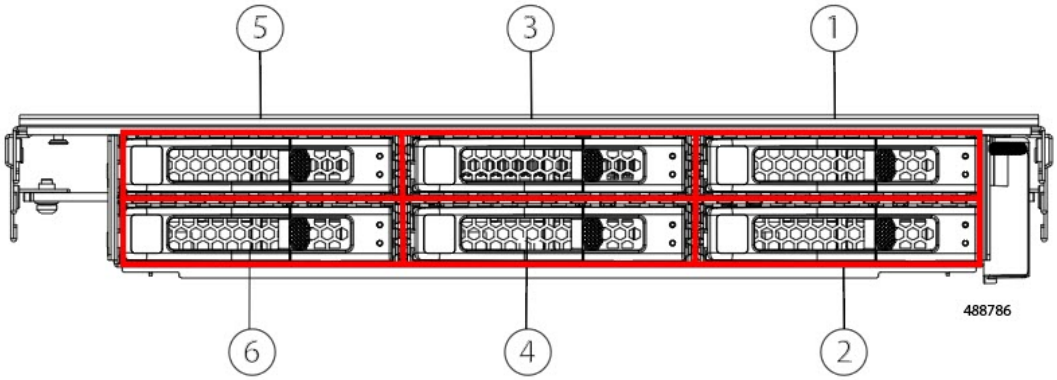
Each Cisco UCS X24g tri-mode M1 front mezzanine module consists of the following components:

- UCS X24g tri-mode RAID controller
- Up to six (6) SAS/SATA/NVMe SSD drives. Each drive slot supports either SAS, SATA or NVMe U.3 SSDs (RAID Controller)
  - SAS: 12G, 24G in a x1 config
  - SATA: 6G in a x1 config
  - NVMe: Gen 4 in a x2 config
- Supercap
  - FBU345 or smaller size (TBD)

## Front Mezzanine Module

The Cisco UCS X24g Tri-mode M1 front mezzanine module supports up to six (6) SAS/SATA/NVMe SSD drives. Each drive slot supports either SAS, SATA or NVMe U.3 SSDs (RAID Controller).

The following illustration shows the location of the drives.



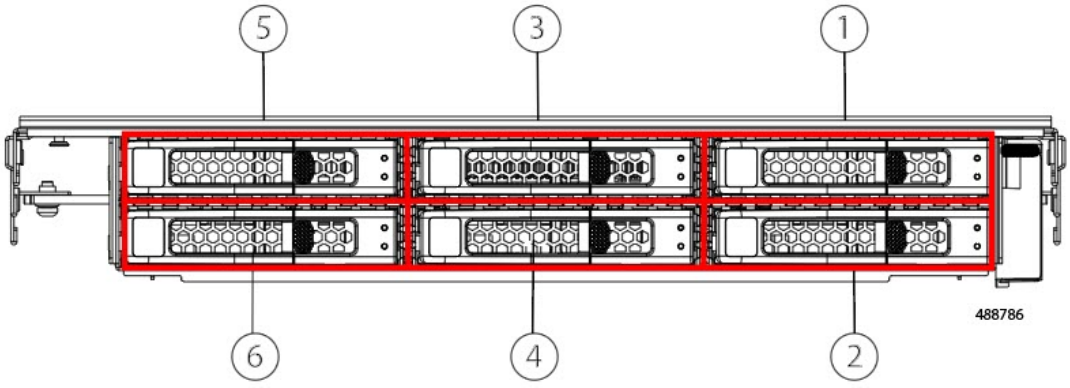

| | |
|---|---|
| 1 | drive slot 1 |
| 2 | drive slot 2 |
| 3 | drive slot 3 |
| 4 | drive slot 4 |
| 5 | drive slot 5 |
| 6 | drive slot 6 |

# Drive Bays

Each Cisco UCS X24g M1 front mezzanine drive slot can support local storage drives of different types and quantities of 2.5-inch SAS, SATA, or NVMe drives. A drive blank panel (UCSC-BBLKD-S2) must cover all empty drive bays.

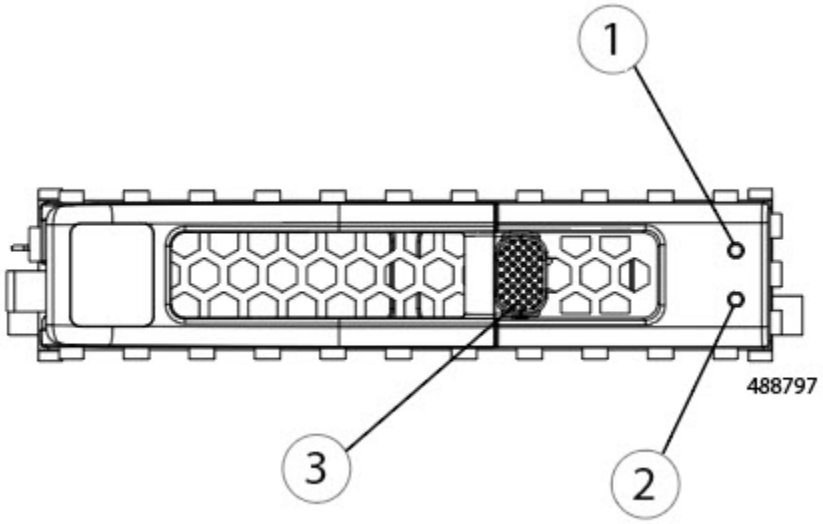
Drive bays are numbered sequentially from 1 through 6 as shown.

***Figure 1: Front Loading Drives***



# Drives and Drive LEDs

Each 24g Tri-mode drive is a front loading drive that slides into and out of the front mezzanine module's storage cage.




| | | | |
|---|---|---|---|
| 1 | Drive Health LED | 2 | Drive Activity LED |
| 3 | Ejector button | | |

Each 24g Tri-mode drive also has LED's that indicate drive health and activity.

***Table 1: Drive LEDs***

| LED | Color | Description |
|---|---|---|
| Drive Activity | Off | Drive Not Present. |
| | On | Green ON for presence and Green Flashing for I/O activity. |