Thank you for your purchase of Premio DSS424J-S3 JBOD Storage System!

1. Check the Content of the box. Please confirm that your package contains the following:
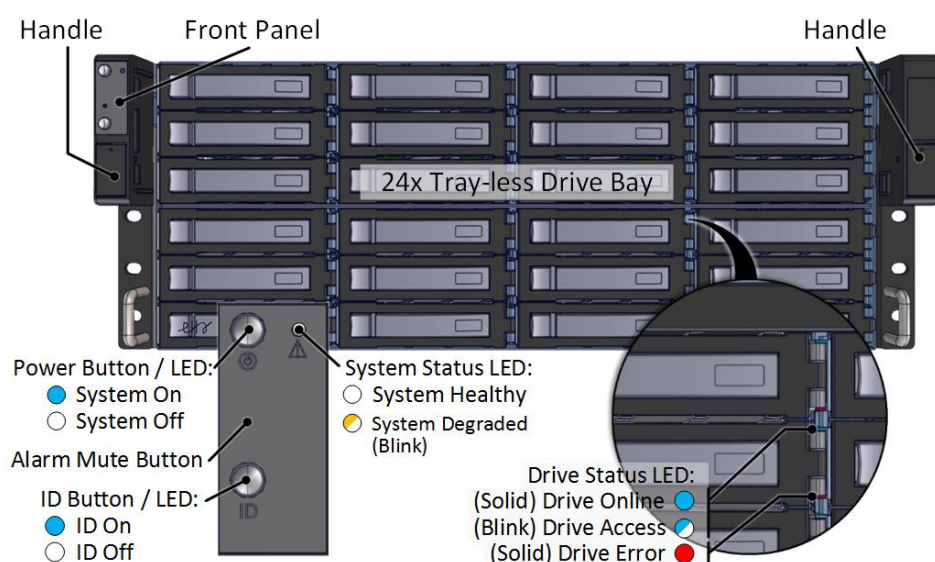
#	Description	Image / Description	Qty
1	DSS424J Enclosure		1
2	Bezel		Opt.
3	Anti-static bags*	For drive or drive tray	16
4	Fix mount rail set		1 set
5	Slide Rail Kit + Screws		Opt.
6	Power Cable*		2
7	Serial Cable*		1
8	This Quick Guide		1
9	Packaging		1 set

* Inside the accessories box. Box may consist of screw sets for rail kit or drives. If any items are missing, please contact your reseller or sales rep.
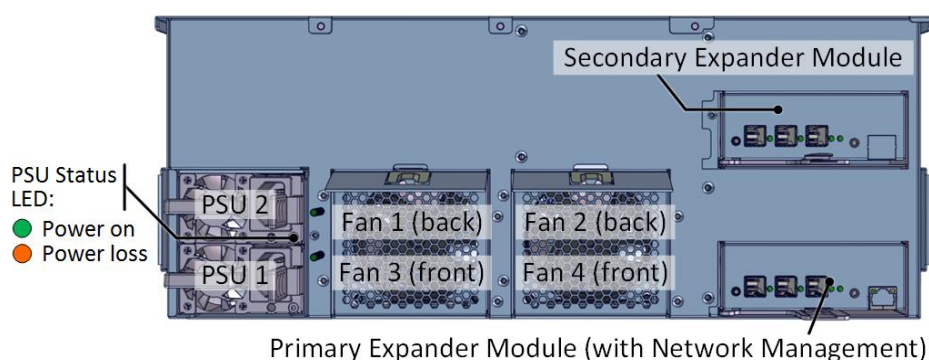
2. Get Familiar with the Unit.

DSS424J-S3 features 24x tray-less 3.5" SAS hot-swap HDD bays, dual 12Gbps SAS expanders, 550W platinum redundant power supply units.
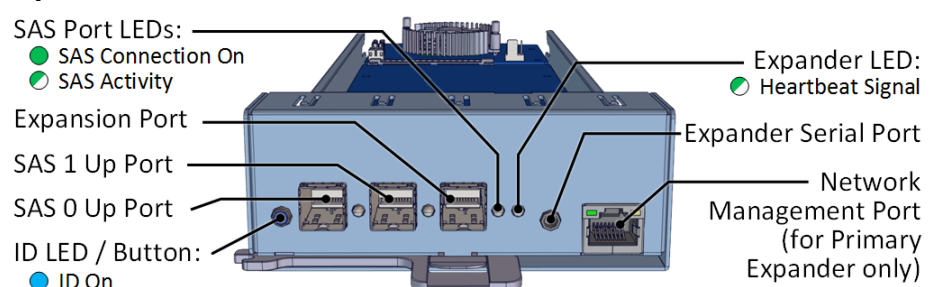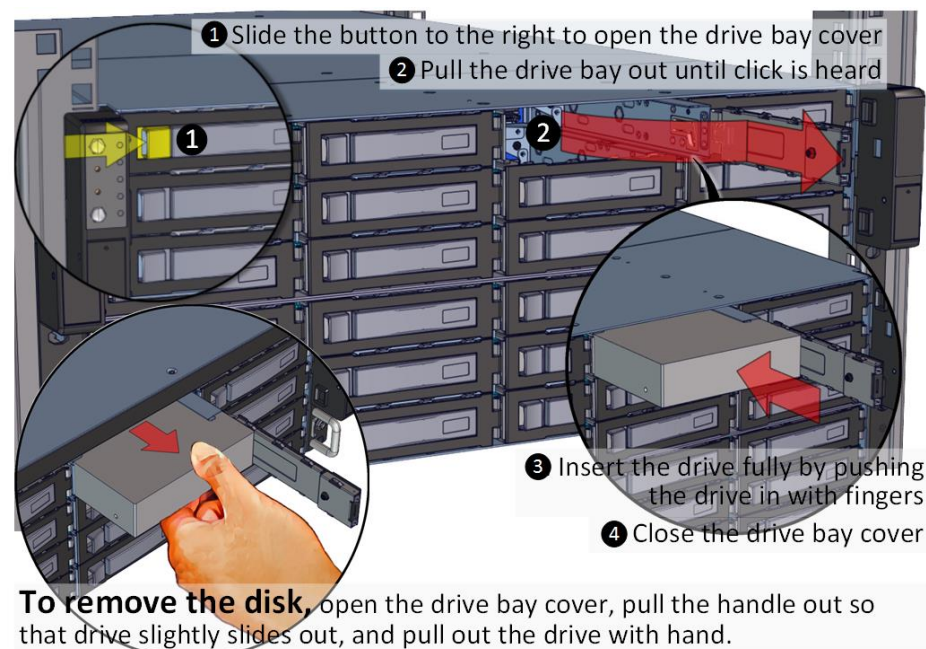
Front view of the unit

Handle   Front Panel   Handle

24x Tray-less Drive Bay

Power Button / LED:
- System On
- System Off

Alarm Mute Button

ID Button / LED:
- ID On
- ID Off

System Status LED:
- System Healthy
- System Degraded (Blink)

Drive Status LED:
- (Solid) Drive Online
- (Blink) Drive Access
- (Solid) Drive Error

Rear view of the unit

Secondary Expander Module

PSU Status LED:
- Power on
- Power loss

PSU 2   Fan 1 (back)   Fan 2 (back)
PSU 1   Fan 3 (front)   Fan 4 (front)

Primary Expander Module (with Network Management)

Expander Module

SAS Port LEDs:
- SAS Connection On
- SAS Activity

Expansion Port

SAS 1 Up Port

SAS 0 Up Port

ID LED / Button:
- ID On

Expander LED:
- Heartbeat Signal

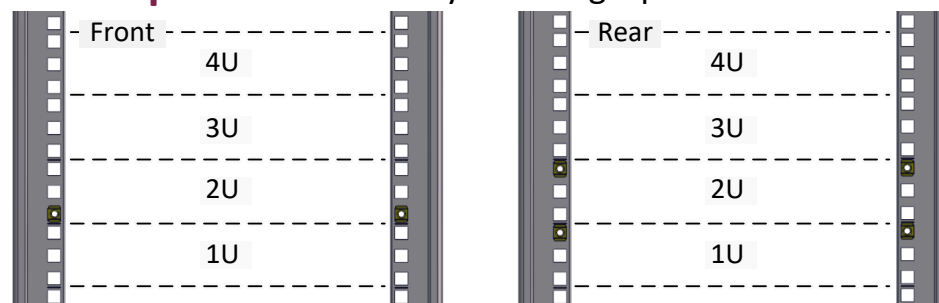Expander Serial Port

Network Management Port (for Primary Expander only)

3. Install 3.5" Drives to the unit as illustrated. It is suggested to install HDDs after the unit is mounted to the rack.

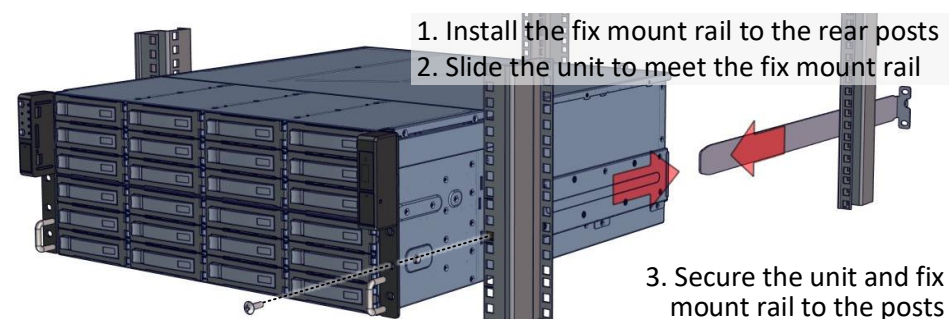❶ Slide the button to the right to open the drive bay cover
❷ Pull the drive bay out until click is heard
❸ Insert the drive fully by pushing the drive in with fingers
❹ Close the drive bay cover

To remove the disk, open the drive bay cover, pull the handle out so that drive slightly slides out, and pull out the drive with hand.

4. Mounting the Unit using Fix Mount Rail

4a. Prepare the Post by installing square nuts.

Front   Rear
4U   4U
3U   3U
2U   2U
1U   1U

4b. Mount the Unit to the rack.

1. Install the fix mount rail to the rear posts
2. Slide the unit to meet the fix mount rail
3. Secure the unit and fix mount rail to the posts
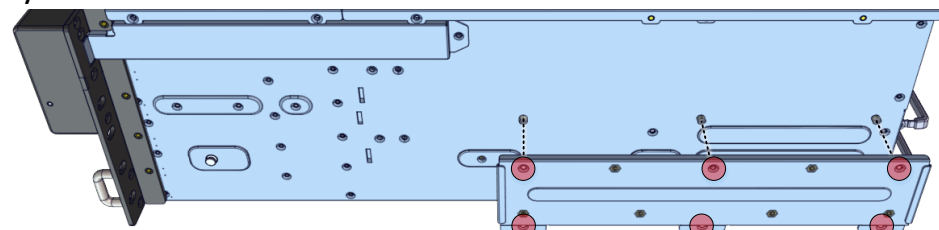
5. Mounting the Unit using Tool-less Rail

5a. Remove Fix Mount Rail Covers from the system.

5b. Remove the Inner Rails from the slide rails.

⚠ Installation and service of this product should be conducted by a trained personnel to avoid bodily injury from electric shock or heavy object
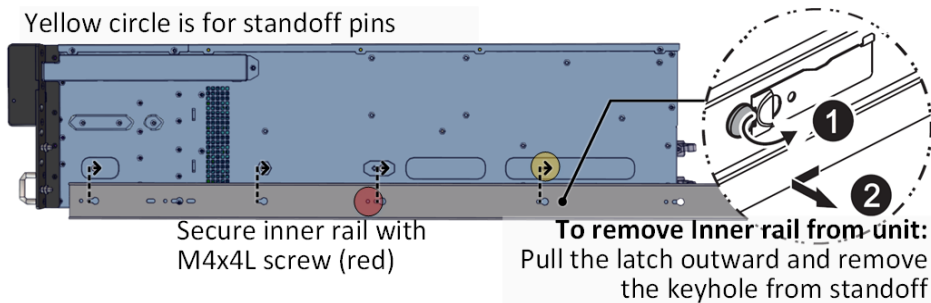
⚠ Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components
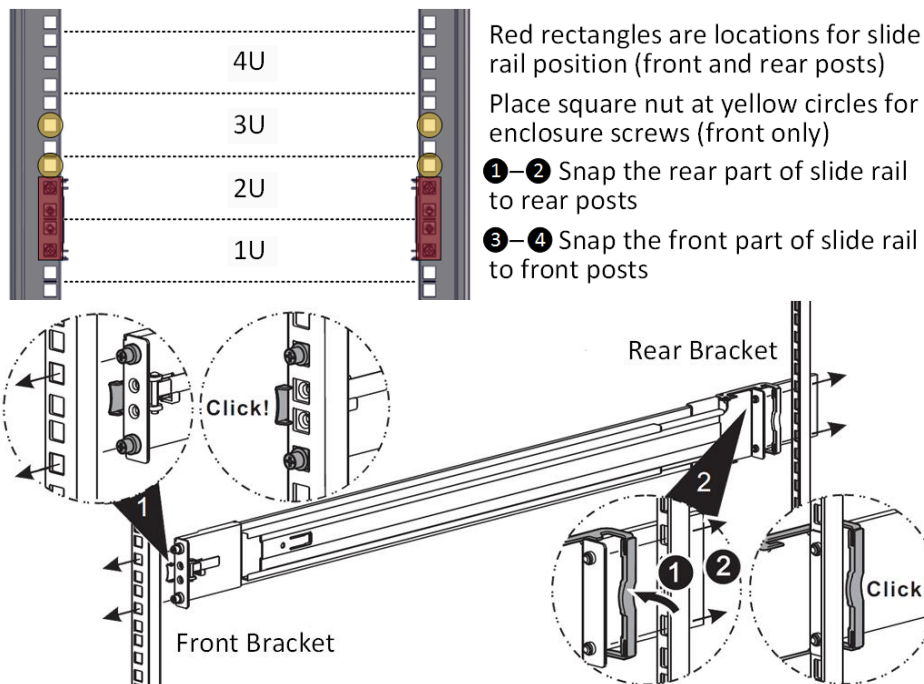
❶–❷ Pull the inner rails out. Pull the blue release tab when it hits a stop.
❸–❹ Keep extending inner rail and pull the white detach tab when it hits the second stop

Pull tab forward

❺–❻ Unretract the mid rail by pulling the latch on the mid rail
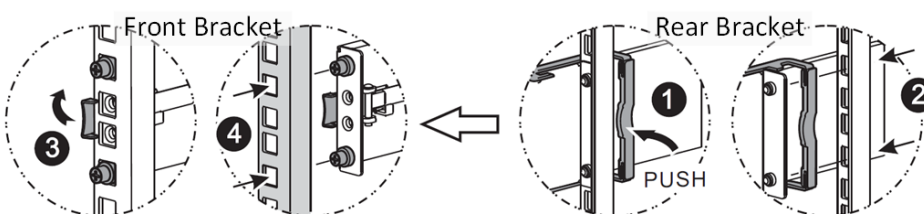
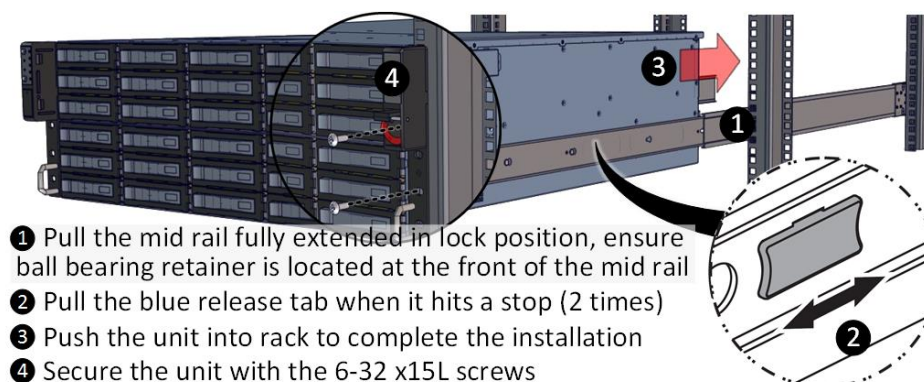## 5c. Install Inner Rails to the enclosure.

Yellow circle is for standoff pins

Secure inner rail with M4x4L screw (red)

To remove Inner rail from unit:
Pull the latch outward and remove the keyhole from standoff

5d. Install the Outer Rails to the Rack as follows:

4U
3U
2U
1U

Red rectangles are locations for slide rail position (front and rear posts)

Place square nut at yellow circles for enclosure screws (front only)

❶–❷ Snap the rear part of slide rail to rear posts

❸–❹ Snap the front part of slide rail to front posts

Rear Bracket

Click!

Front Bracket

Click!

To remove slide rails, use the latches to undo the assembly as follows:

Front Bracket

Rear Bracket

PUSH

5e. Install the Unit to the Rack as follows:

❶ Pull the mid rail fully extended in lock position, ensure ball bearing retainer is located at the front of the mid rail
❷ Pull the blue release tab when it hits a stop (2 times)
❸ Push the unit into rack to complete the installation
❹ Secure the unit with the 6-32 x15L screws

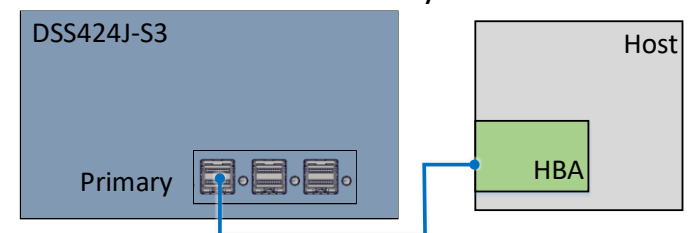For a complete instruction on how to install unit to the rack, please follow the Slide Rail Installation Guide.

 At least two people are recommended for mounting process.

6. Drive Mapping of DSS424J-S3 is as follows:

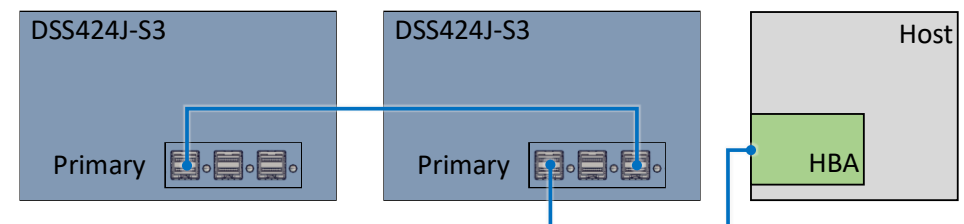| 1 | 2 | 3 | 4 |
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

7. Establish SAS connection with host, client, or switch. Refer to the system configurations below to decide on which port to use.
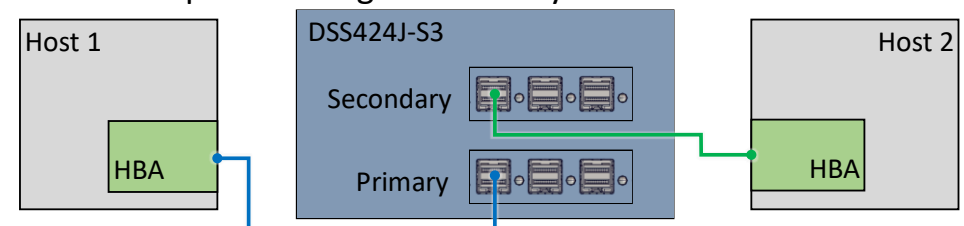
Single expander mode: SAS drives are not required, no high availability is possible with this configuration. The SAS HBA/RAID controller sees all 24 HDDs from DSS424J-S3.
Connect SAS cable to Host Port of the Primary Module.

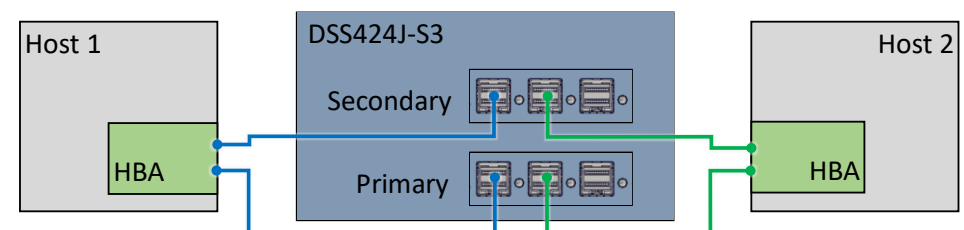DSS424J-S3 — Primary — Host — HBA

Daisy-chain mode: a single expander mode with expandable storage. The SAS HBA/RAID controller sees the collective HDDs from the daisy-chained DSS424J-S3s.
Connect the Expander Port from the first unit to the Host Port of the second unit and so on.

DSS424J-S3 — Primary — DSS424J-S3 — Primary — Host — HBA

Dual expander mode: SAS drives are required. Two clients are able to connect to the unit storage device due to the dual port nature of the SAS drives. This configuration provides a redundant path and high availability.

Host 1 — HBA — DSS424J-S3 — Secondary — Primary — Host 2 — HBA

Clustered Storage Spaces mode: SAS drives are required. In the below configuration, both hosts will have all the paths to all 24x disks at the same time.

Host 1 — HBA — DSS424J-S3 — Secondary — Primary — Host 2 — HBA

8. Press the Power Button on the front of the unit after plugging AC cables.

9. Access the Serial Console (when necessary) by connecting RS-232 serial cable to the one of the console ports. Use a terminal console with baud set 115200, 8, N, 1, N. Refer to User's Manual for further detail and how to set up Ethernet Management Port.