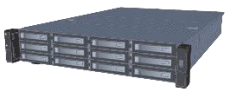
DSS212J-S3 Quick Guide

Version 1.00 – 2017.05.24

Thank you for your purchase of Premio DSS212J-S3 JBOD Storage System!

1. Check the Content of the box. Please confirm that your package contains the following:

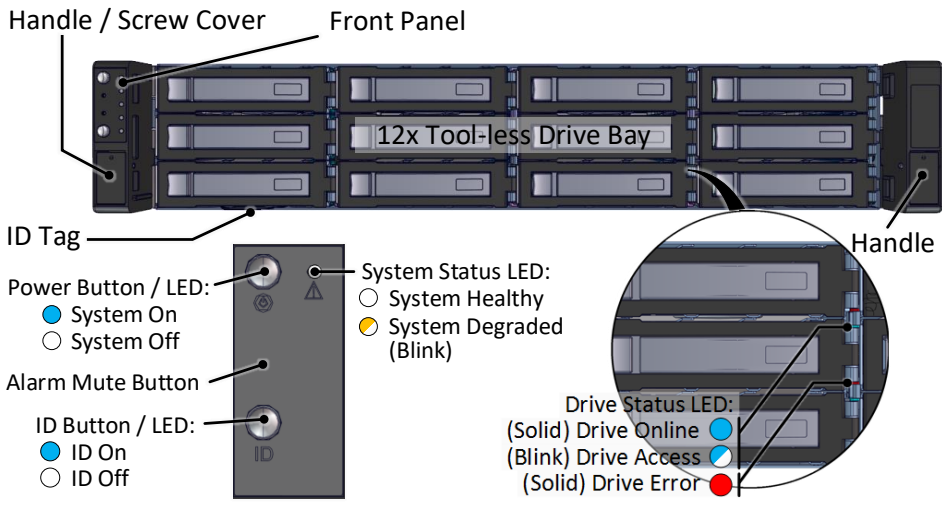
#	Description	Image / Description	Qty
1	DSS212J Enclosure		1
2	Bezel		Opt.
3	Anti-static bags*	For drive or drive tray	12
4	Fix mount rail set		1 set
5	Slide Rail Kit + Screws		Opt.
6	Power Cable*		2
7	Serial Cable*		1
8	This Quick Guide		1
9	Packaging		1 set

* 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.

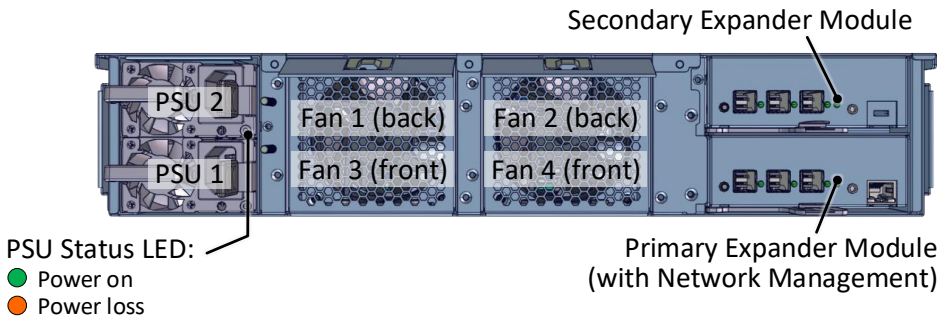
2. Get Familiar with the Unit.

DSS212J-S3 features 12x 3.5” SAS hot-swap HDD bays with SAS/SATA interposer support, dual 12Gbps SAS expanders, 550W 1+1 redundant power supply unit, 80Plus Platinum efficiency, 4x 80mm easy swap PWM fan modules.
Management choice of RS232 mini jack for CLI or Gigabit Ethernet management port for telnet, SSH, Web GUI, SNMP.

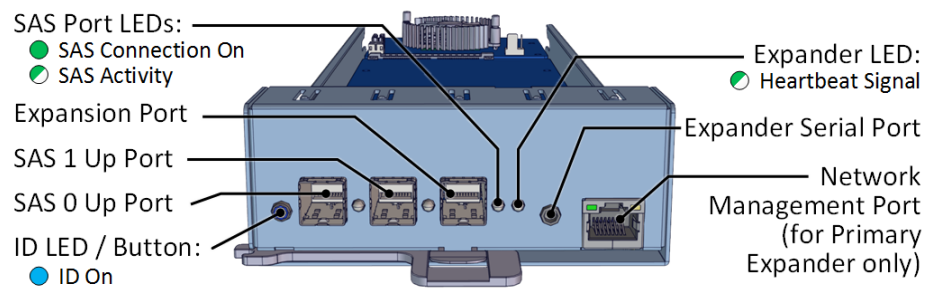
Front view of the unit



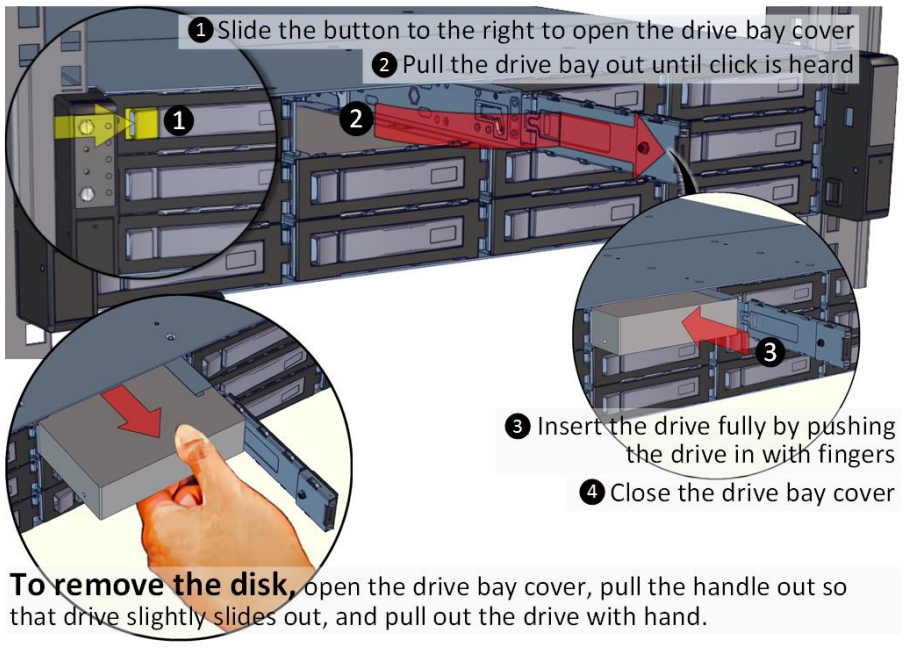
Rear view of the unit



Expander Module

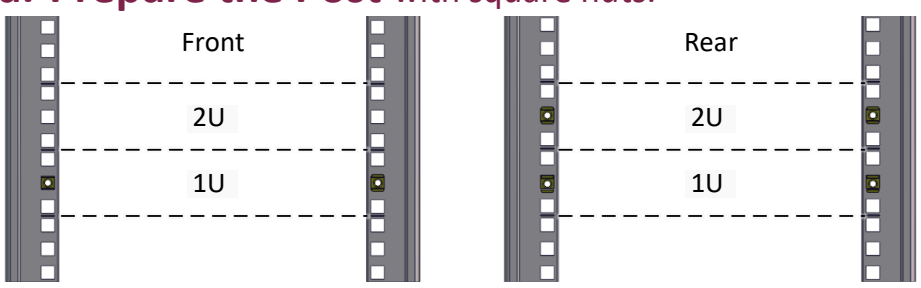


3. Install 3.5” Drives to the unit as illustrated. It is suggested to install HDDs after the unit is mounted to the rack.

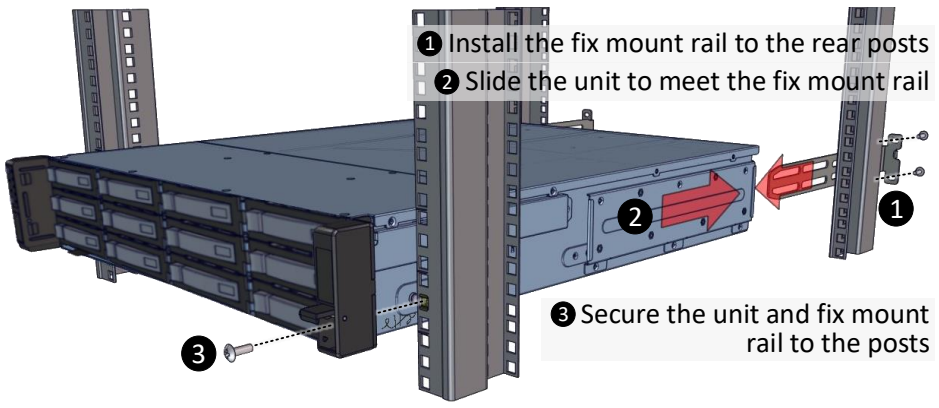


4. Mounting the Unit using Fix Mount Rail

4a. Prepare the Post with square nuts.

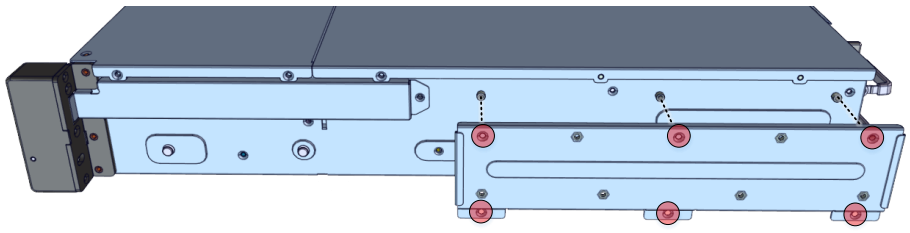


4b. Mount the Unit to the rack.



5. Mounting the Unit using Tool-less Rail

5a. Remove the Inner Rail from the slide rail.

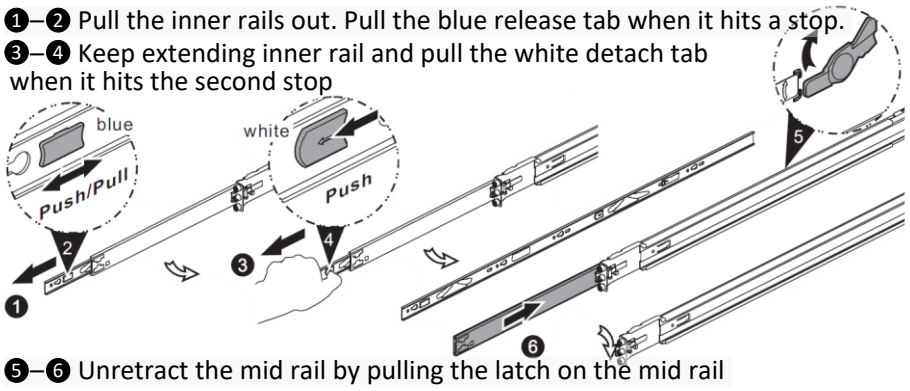


5b. Remove the Inner Rail from the slide rail.

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

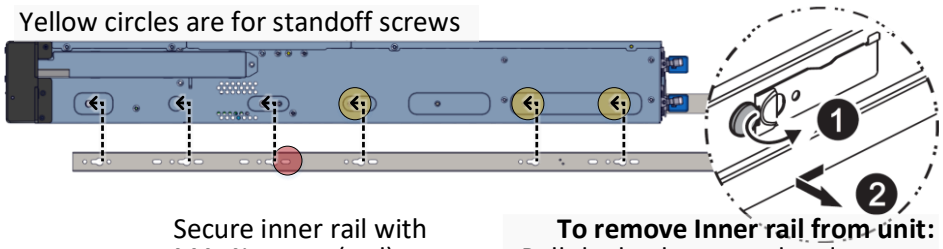
❶–❷ Pull the inner rails out. Pull the blue release tab when it hits a stop.
❸–❹ Keep extending inner rail and pull the white detach tab when it hits the second stop



❺–❻ Unretract the mid rail by pulling the latch on the mid rail

5c. Install Inner Rails to the enclosure.

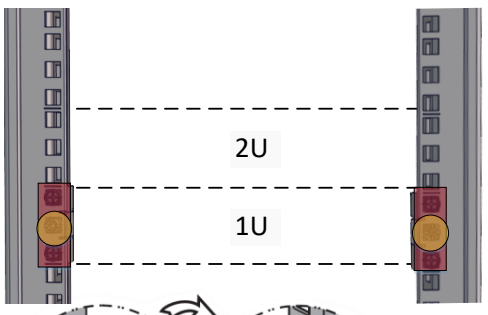
Yellow circles are for standoff screws



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:

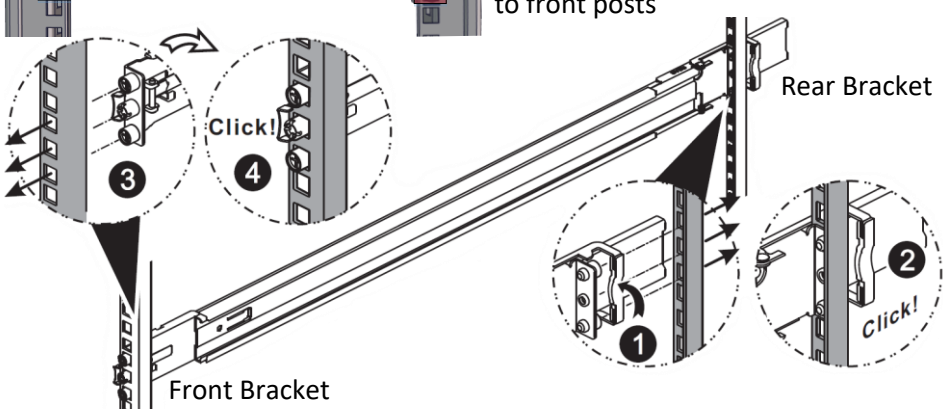


Red rectangles are locations for slide rail position (front and rear posts)

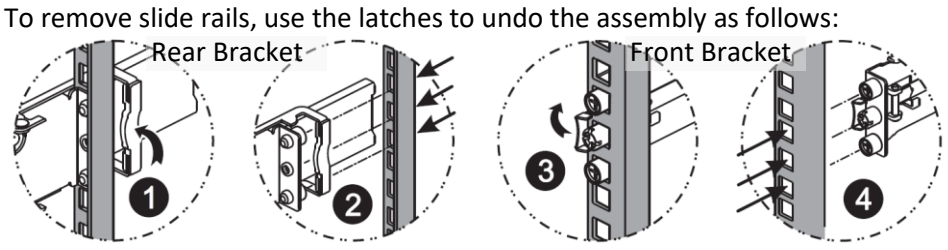
Yellow circles are location for enclosure screws (front only)

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

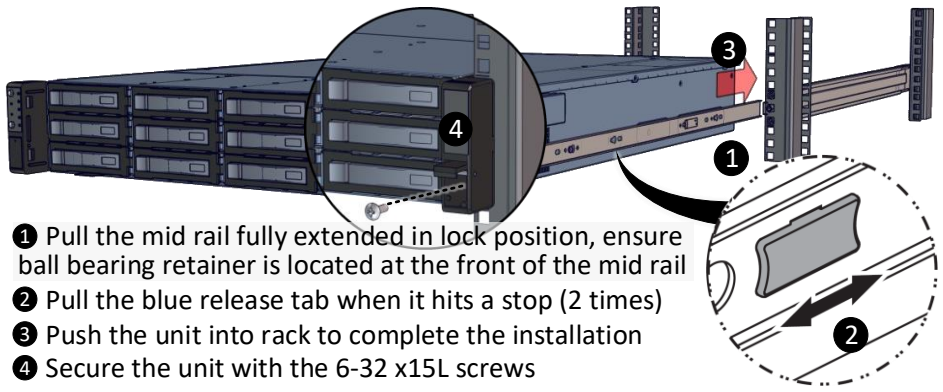
❸–❹ Snap the front part of slide rail to front posts



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



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

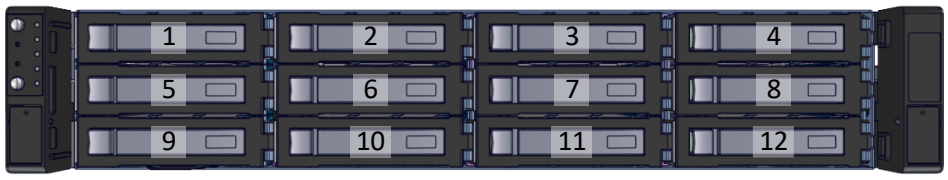


❶ Pull the mid rail fully extended in lock position, ensure ball bearing retainer is located at the front of the mid rail
❷ Pull the blue release tab when it hits a stop (2 times)
❸ Push the unit into rack to complete the installation
❹ Secure the unit with the 6-32 x15L screws

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

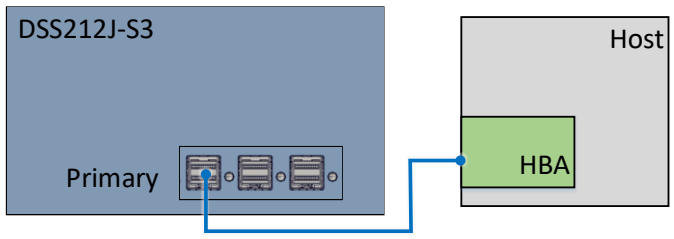
At least two people are recommended for mounting process.

6. Drive Mapping of DSS212J-S3 is as follows:

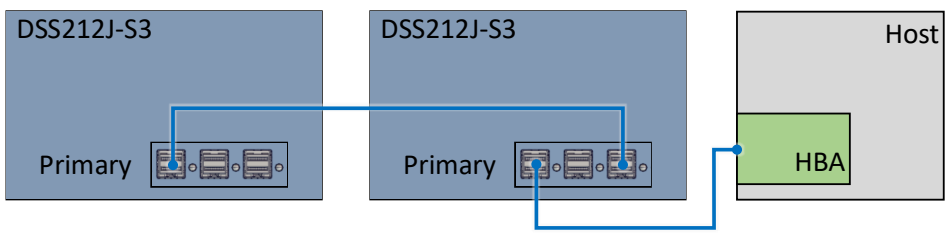


7. Establish SAS connection with host, client, or switch. Refer to the system configurations below to decide on which port to use.

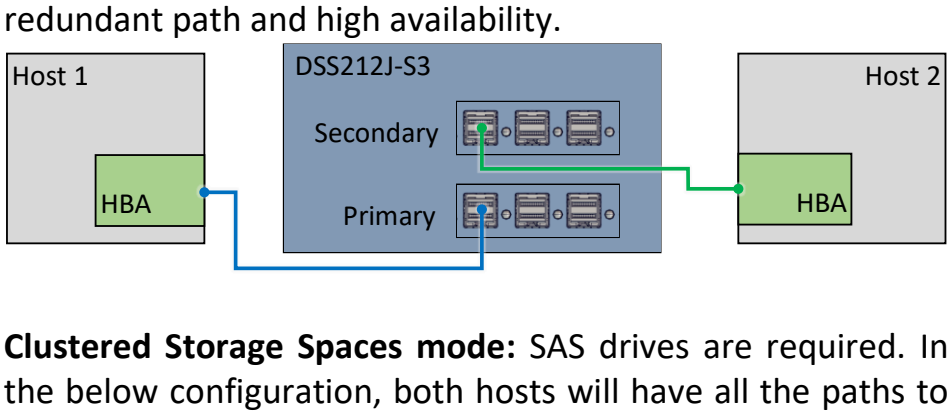
Single expander mode: SAS drives are not required, no high availability is possible with this configuration. The SAS HBA/RAID controller sees all 12 HDDs from DSS212J-S3.
Connect SAS cable to Host Port of the Primary Module.



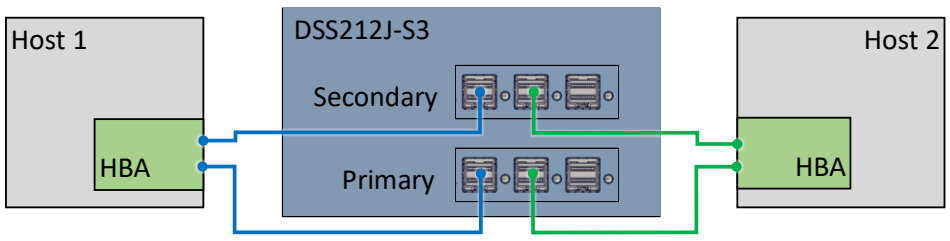
Daisy-chain mode: a single expander mode with expandable storage. The SAS HBA/RAID controller sees the collective HDDs from the daisy-chained DSS212J-S3s.
Connect the Expander Port from the first unit to the Host Port of the second unit and so on.



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.



Clustered Storage Spaces mode: SAS drives are required. In the below configuration, both hosts will have all the paths to all 12x disks at the same time.



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.