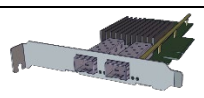
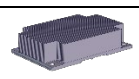
DSS212S-U5 Quick Guide

Version 1.10 – 2018.01.29

Congratulations on your purchase of EchoStreams DSS212S-U5 Storage Server System!

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

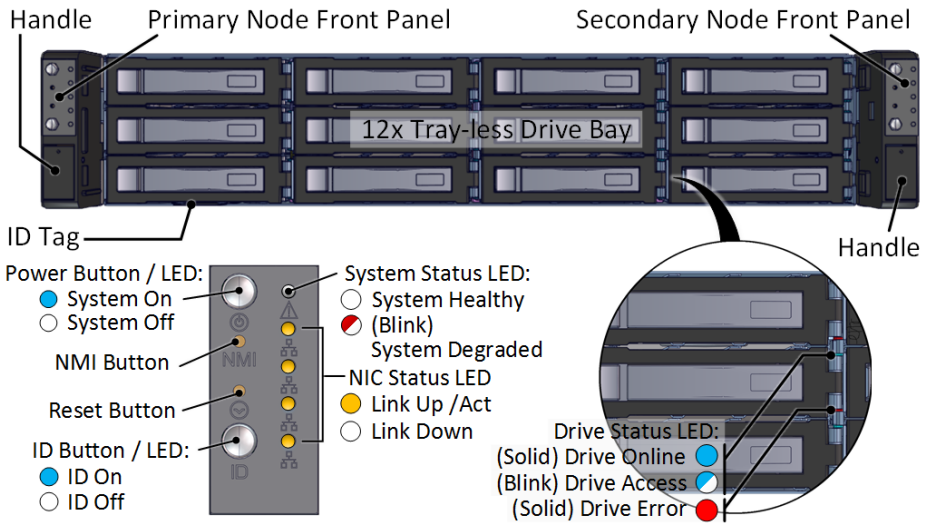
#	Description	Image / Description	Qty
1	DSS212S-U5 Enclosure		1
2	Motherboard	Supermicro X11SPW-CTF	2
3	CPU and memory	Intel Skylake and DDR4	Opt.
4	IO Cards		Opt.
5	Heatsink		2
6	Slide Rail Kit + Screws		1 set
7	Power Cable*		2
8	RS-232 to Audio Serial Cable*		1

* 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.

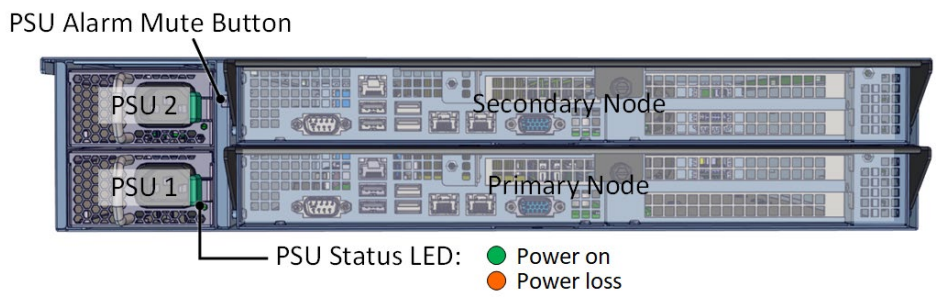
2. Get Familiar with the Unit.

DSS212S-D5 is a redundant server supporting single Intel Skylake processor with a front 12x 3.5” HDD storage in a 2U space. Two Supermicro X11SPW-CTF motherboards, and internal cabling are preinstalled. Other motherboard model, IO cards, CPU, and memory can be preinstalled upon request.

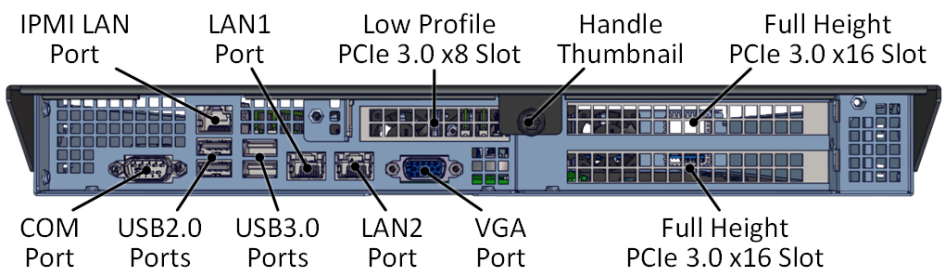
Front View of the Unit



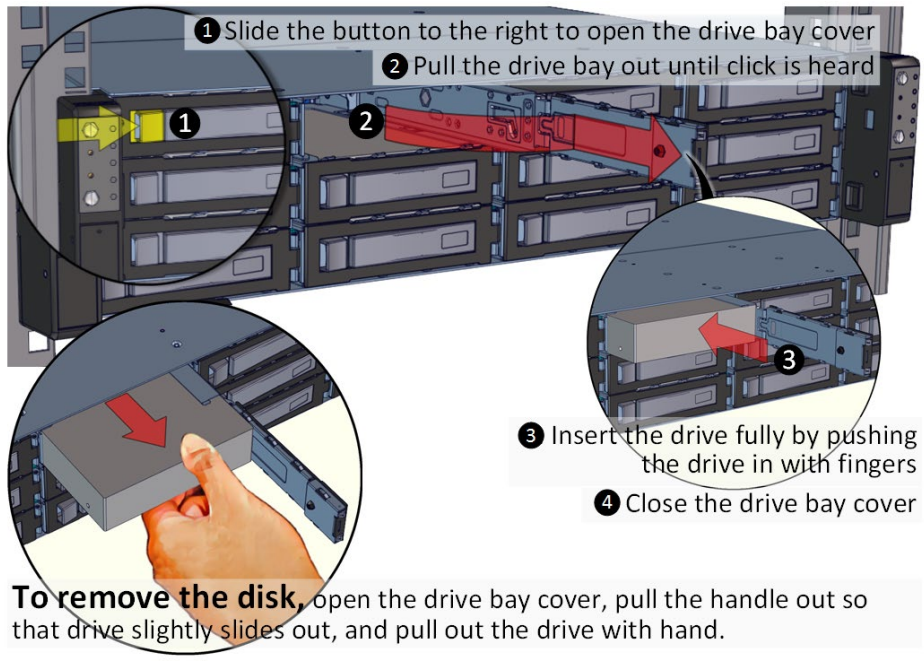
Rear View of the Unit



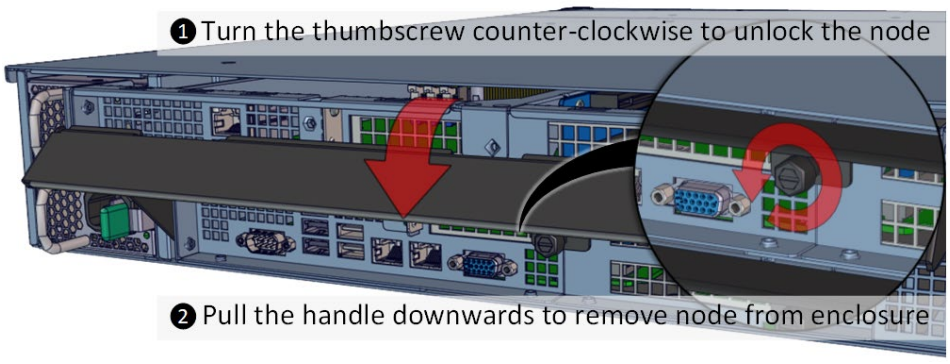
Controller Node



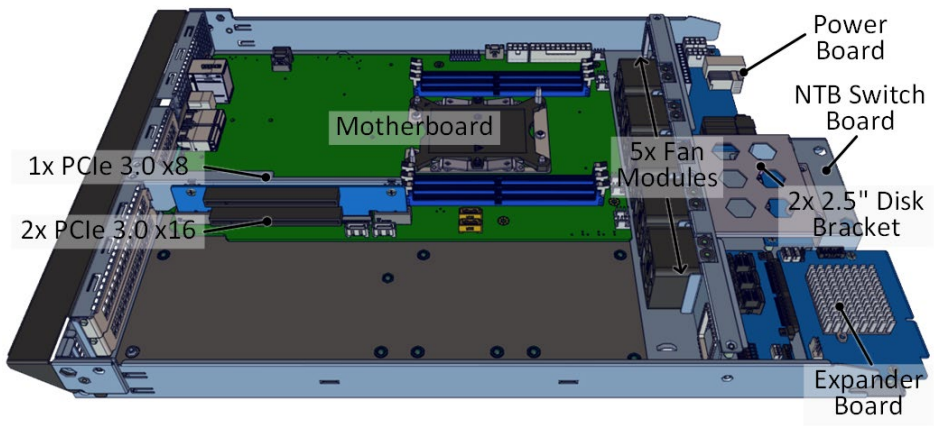
3. Install 2.5” Drives to the unit as illustrated. It is suggested to install HDDs after the unit is mounted to the rack.



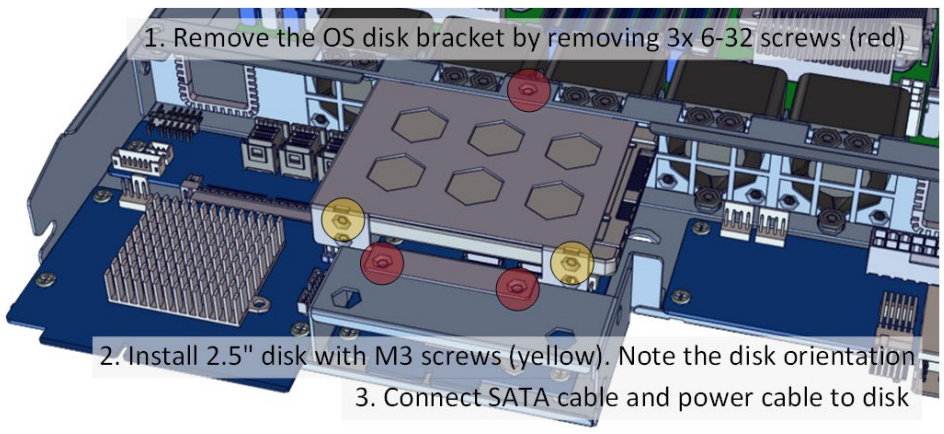
4. Remove the Controller Node to install any components required (IO cards, mezzanine, CPU, memory).



5. Inspect the Controller Node. The components comprise of a Supermicro motherboard, an expander board, an NTB switch board, power board, 5x internal fan modules (all connected to the motherboard).



6. Install OS disk(s) if required as follows:



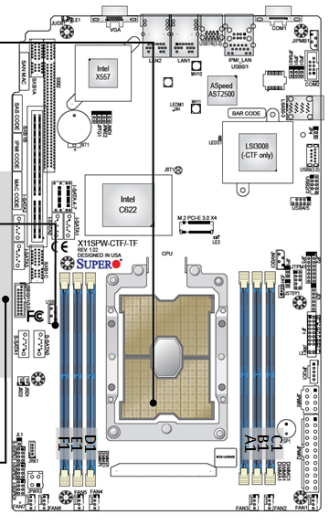
Installation and service of this product should be conducted by a trained personnel to avoid bodily injury from electric shock or heavy object

Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components

DSS212S-U5 Enclosure Quick Guide

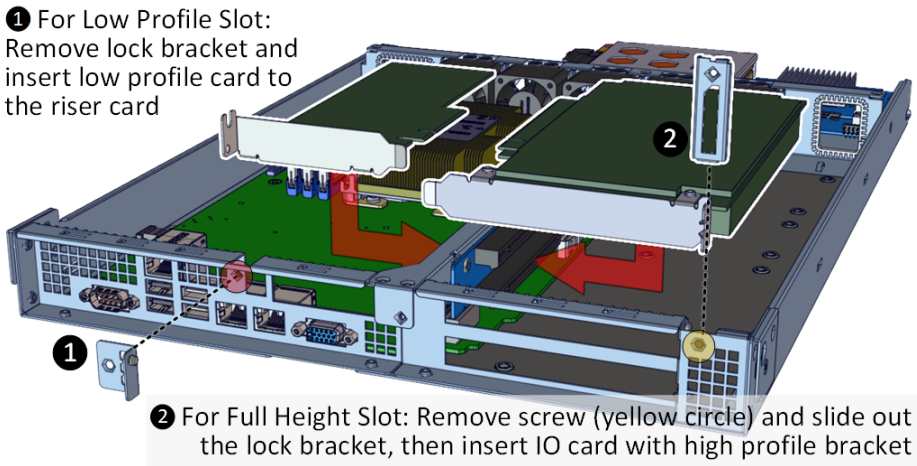
7. Install Motherboard Components (CPU, heatsink, memory) using the guidelines below. For further details, refer to the motherboard's manual.

- Support Intel Xeon 81xx/61xx/41xx/31xx series processor up to 28 cores
- 1x P0-LGA3647 Sockets
- Max up to 205W TDP
- Intel C622 PCH Chipset
- Up to 192Gb of RDIMM, 384GB of LRDIMM, and 768GB of 3DS LRDIMM DDR4
- 288-pin ECC memory
- Speed of up to 2666MHz
- DIMM size up to 128GB at 1.2V
- Start populate from A1, then D1, B1, E1, C1, F1
- WIO Right slot riser card for 1x PCIe 3.0 x8 low profile IO card
- WIO Left slot riser card for 2x PCIe 3.0 x16 ~~full~~ height IO cards



8. Install IO card as guided below:

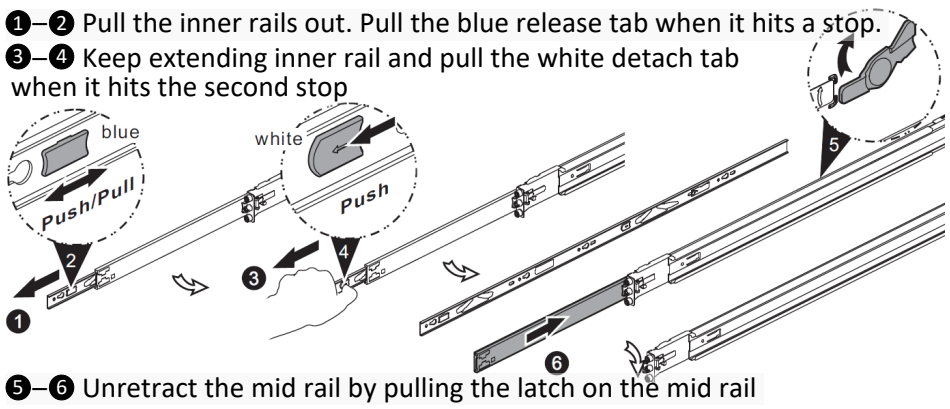
❶ For Low Profile Slot: Remove lock bracket and insert low profile card to the riser card



❷ For Full Height Slot: Remove screw (yellow circle) and slide out the lock bracket, then insert IO card with high profile bracket

9. Remove the Inner Rail from the slide rail.

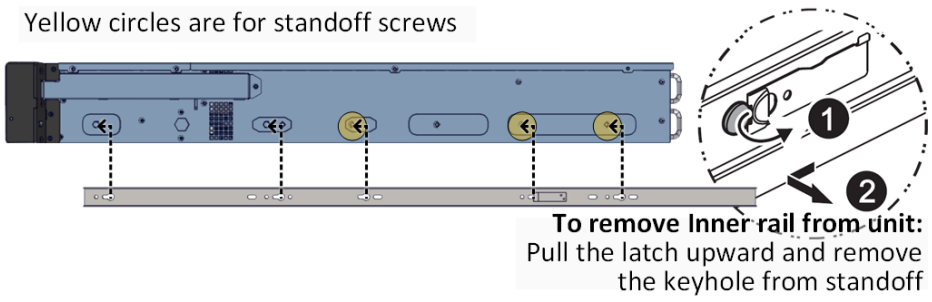
❶–❷ Pull the inner rails out. Pull the blue release tab when it hits a stop.
❸–❹ Keep extending inner rail and pull the white detach tab when it hits the second stop



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

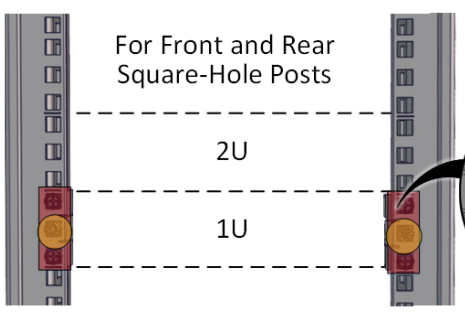
10. Install Inner Rails to the enclosure.

Yellow circles are for standoff screws

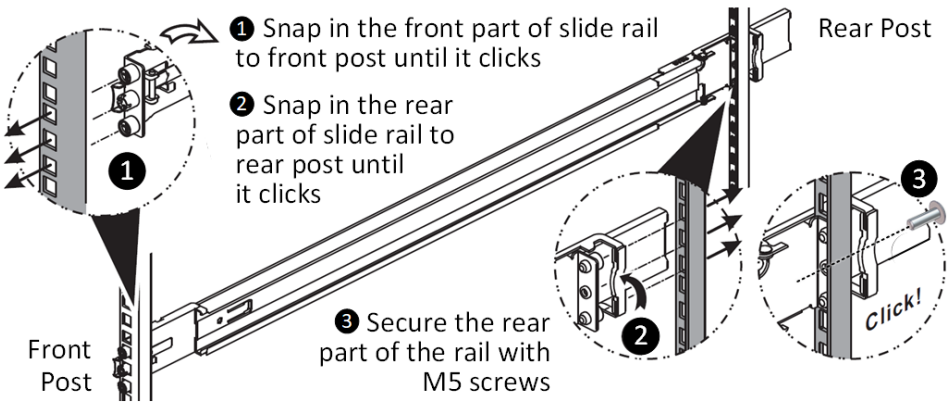


To remove Inner rail from unit:
Pull the latch upward and remove the keyhole from standoff

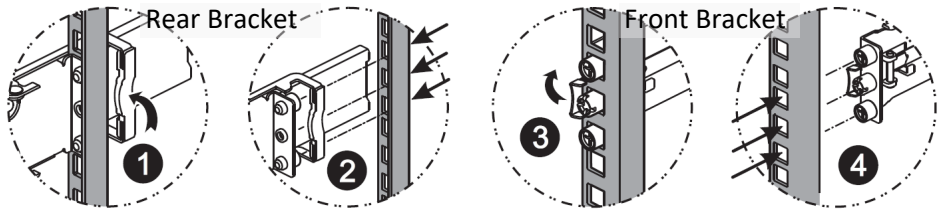
11. Install the Outer Rails to the Rack as follows:



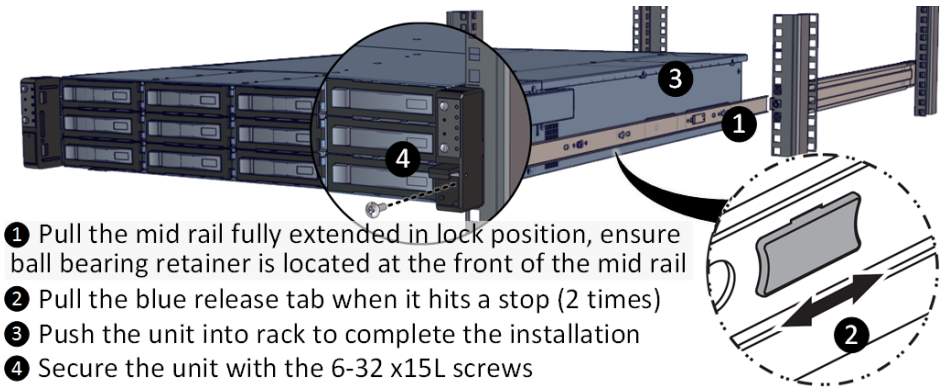
- Red rectangles are the positions of the slide rails (in regards to front and rear posts)
- Yellow circles are for unit screws
- Use the provided smaller guide pins (green) for round hole posts



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



12. Install the Unit to the Rack as follows:

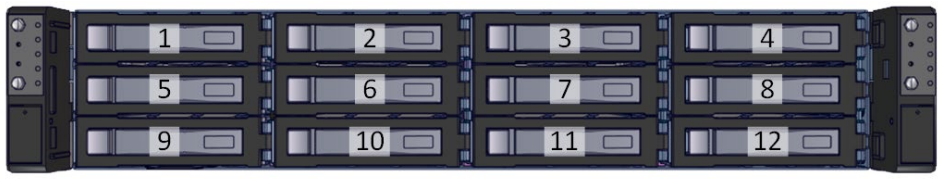


❶ Pull the mid rail fully extended in lock position, ensure ball bearing retainer is located at the front of the mid rail
❷ Pull the blue release tab when it hits a stop (2 times)
❸ Push the unit into rack to complete the installation
❹ Secure the unit with the 6-32 x15L screws

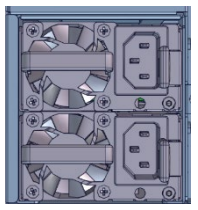
For a complete instruction on how to install unit to the rack, please follow the Slide Rail Installation Guide.

At least two people are recommended for mounting process. Insert HDDs after unit is mounted.

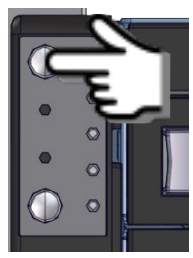
13. Drive Mapping of DSS212S-U5 is as follows:



14. Plug in the Power Cords to the AC receptacles on the back of the unit.

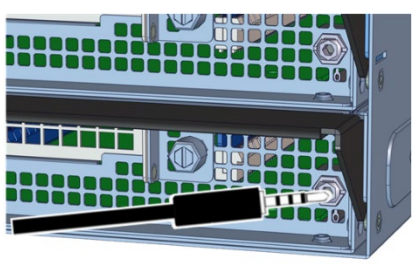


15. Press the Power Button on the front of the unit and for the system to boot up. Left panel is for primary node, right panel is for secondary node.



16. Access the Serial Console (when necessary) by connecting RS-232 to Audio serial cable to the one of the console ports. Use a terminal console with baud settings 115200, 8, N, 1, N.

Refer to Enclosure Management User's Manual for further detail.



For more information please visit our website at www.premioinc.com