



## Congratulation on your purchase of Premio DSS424SF-D5 Storage Server System!

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

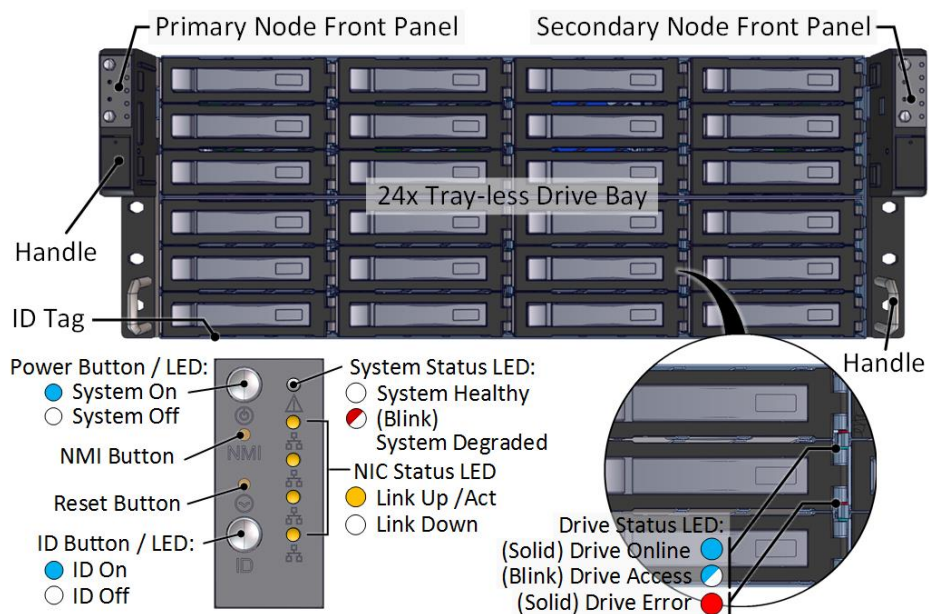
#	Description	Image / Description	Qty
1	DSS424S-D5 Enclosure		1
2	Motherboard	Tyan S7206GM2NR	2
3	CPU and memory	Intel Skylake and DDR4	Opt.
4	IO Cards		Opt.
5	Heatsink		2
6	Slide Rail Kit + Screws		1 set
7	Power Cable*		2
8	Serial Cable*		1

\* 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.

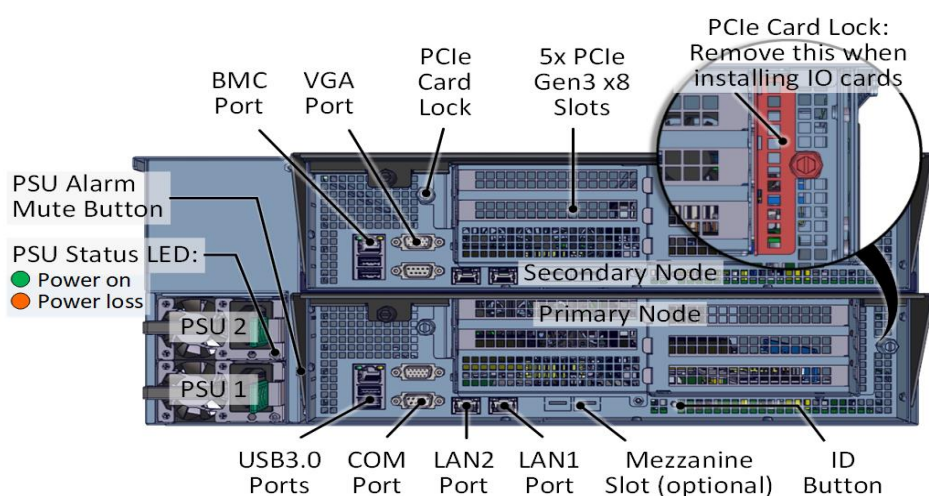
## 2. Get Familiar with the Unit.

DSS424SF-D5 is a redundant server supporting dual Intel processor with a front tray-less 24x 3.5" HDD storage, and rear full-height IO cards in a 4U space. Two Tyan motherboards (S7206GM2NR) and internal cabling are preinstalled. IO cards, CPU, and memory are preinstalled upon request.

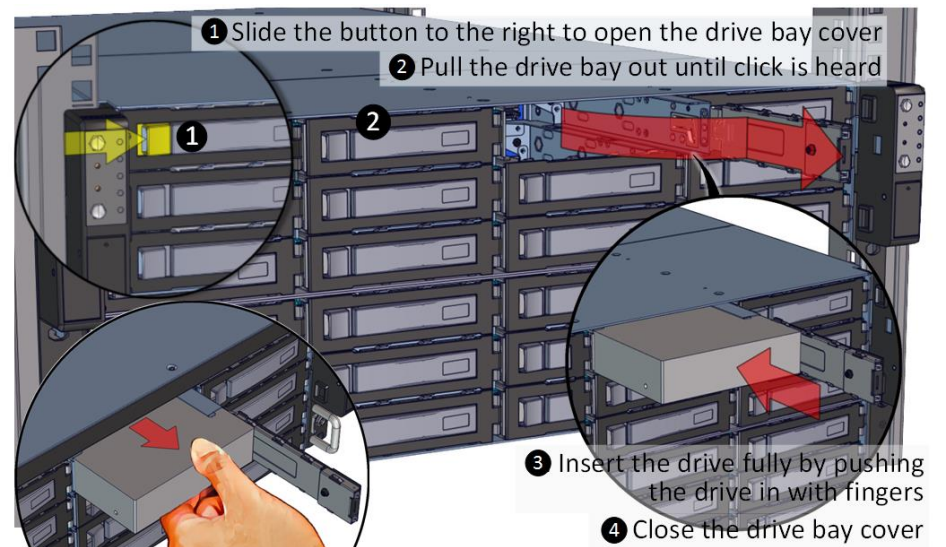
### Front View of the Unit



### Rear View of the Unit

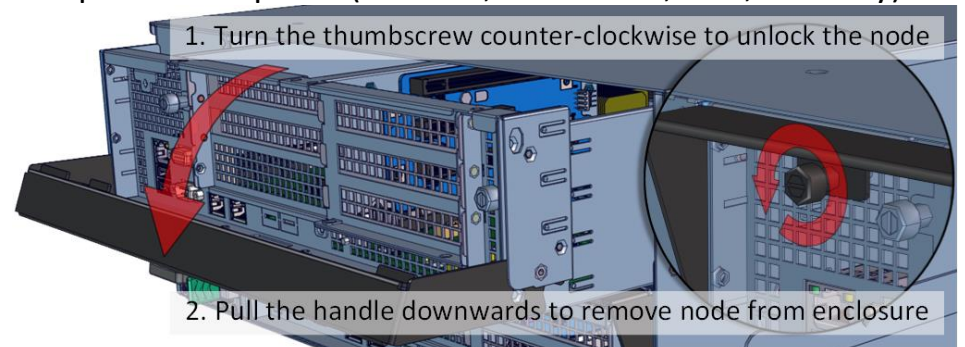


**3. Install 3.5" Drives** to the unit as illustrated. It is suggested to install HDDs after the unit is mounted to the rack.

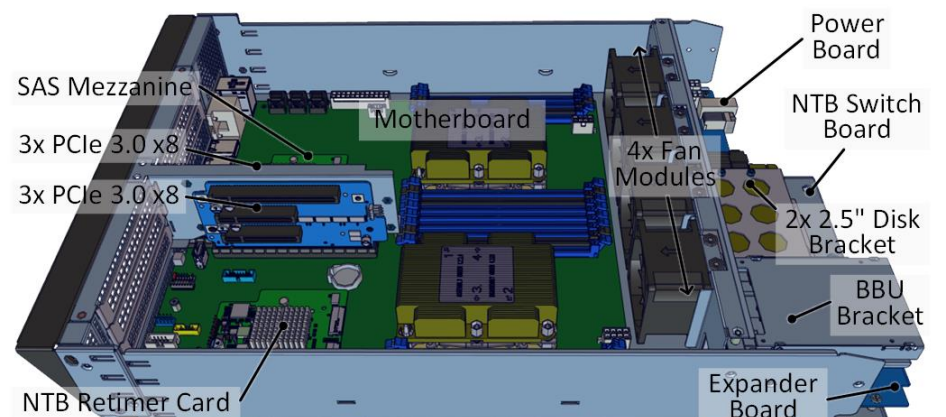


**To remove the disk,** open the drive bay cover, pull the handle out so that drive slightly slides out, and pull out the drive with hand.

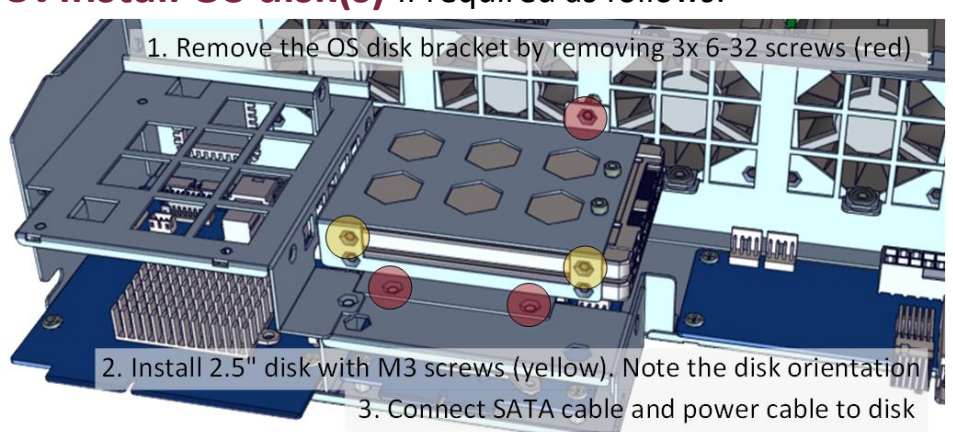
**4. Remove the Controller Node** to install any components required (IO cards, mezzanine, CPU, memory).



**5. Inspect the Controller Node.** The components comprise of a Tyan motherboard, an expander board, IO card, an NTB retimer board, NTB switch board, power board, 4x 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

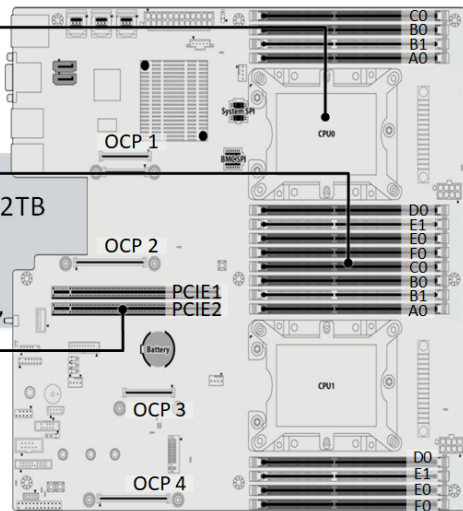


Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components

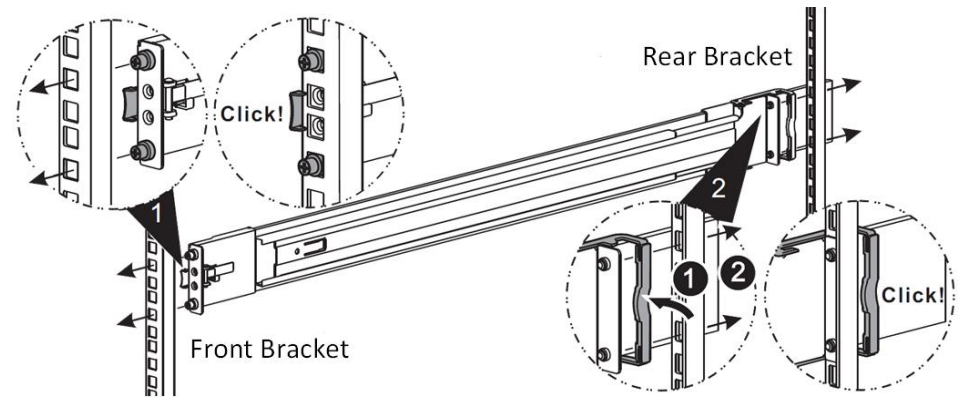
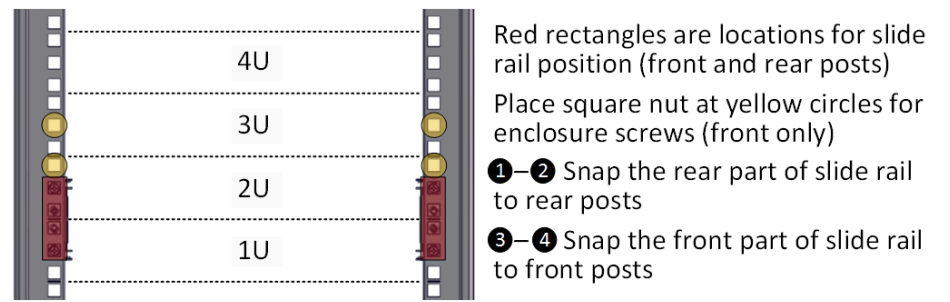


**7. Install Motherboard Components** (CPU, heatsink, memory) using the guidelines below. For further details, refer to the motherboard TPS.

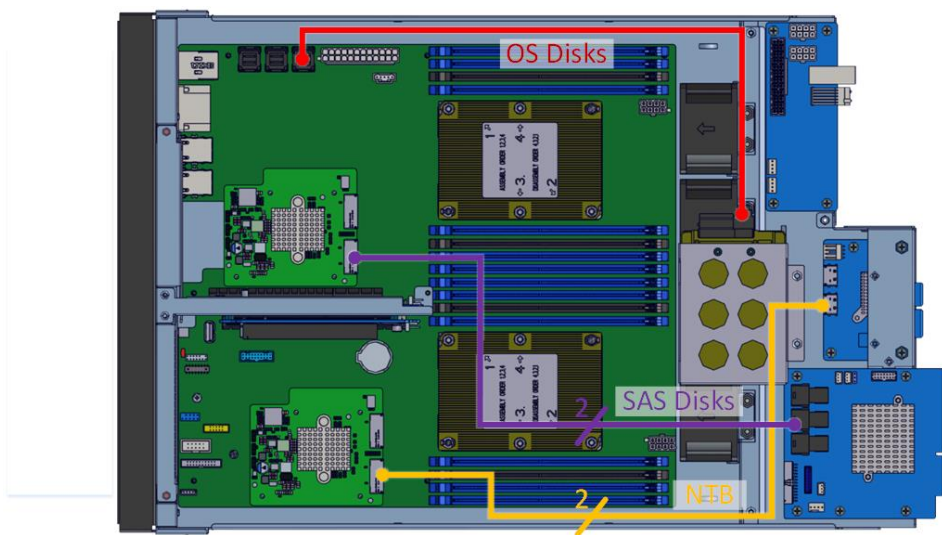
- Support for Intel Xeon Skylake CPU
- Dual LGA3647
- Max up to 205W TDP
- Chipset PCH Intel C622
- Support 8+8 DIMM slots
- Up to 512GB RDIMM, 1TB LRDIMM, 2TB LRDIM 3DS
- 6 Channels per CPU
- Populate from A0, B0, C0, D0, E0, F0,
- Two PCIe Gen3 x24 slots
- PCIe1 f/ CPU1, PCIe2 f/ CPU0
- OCP2 is Gen3 x8, OCP1+2 is Gen3 x16, f/ CPU0
- OCP4 is Gen3 x8, OCP3+4 is Gen3 x16, f/ CPU1



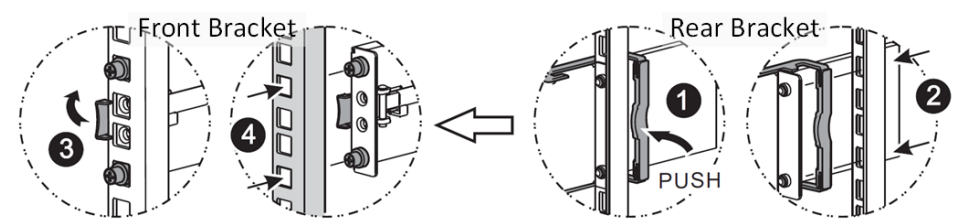
**11. Install the Outer Rails to the Rack** as follows:



**8. Inspect Internal Cabling** as example below:

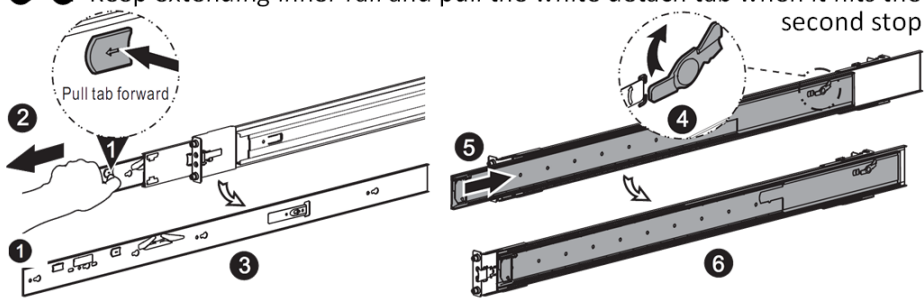


To remove slide rails, use the latches to undo the assembly as follows:



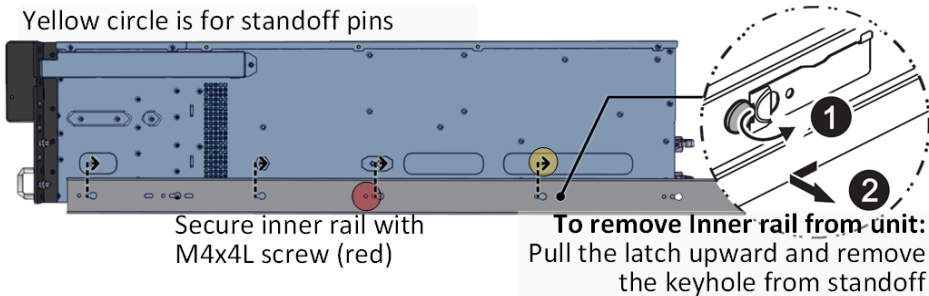
**9. Remove the Inner Rail** from the slide rail.

- 1-2 Pull the inner rails out. Pull the blue release tab when it hits a stop.
- 3-4 Keep extending inner rail and pull the white detach tab when it hits the second stop
- 5-6 Unretract the mid rail by pulling the latch on the mid rail

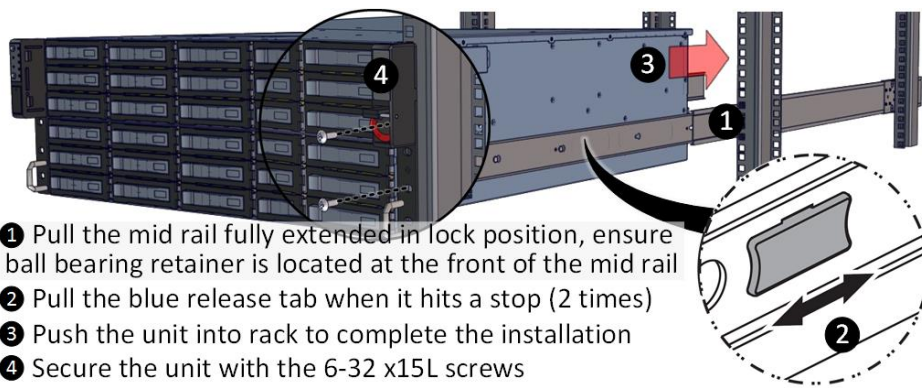


**10. Install Inner Rails** to the enclosure.

Yellow circle is for standoff pins



**12. Install the Unit to the Rack** as follows:



- 1 Pull the mid rail fully extended in lock position, ensure ball bearing retainer is located at the front of the mid rail
- 2 Pull the blue release tab when it hits a stop (2 times)
- 3 Push the unit into rack to complete the installation
- 4 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.

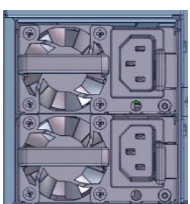


At least two people are recommended for mounting process. Insert HDDs after unit is mounted.

**13. Drive Mapping** of DSS424SF-D5 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 for primary node, right panel for 16secondary node.



**16. 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.

