
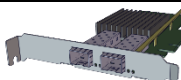
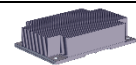







## Congratulations on your purchase of the Premio DSS224S-UN Storage Server System!

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

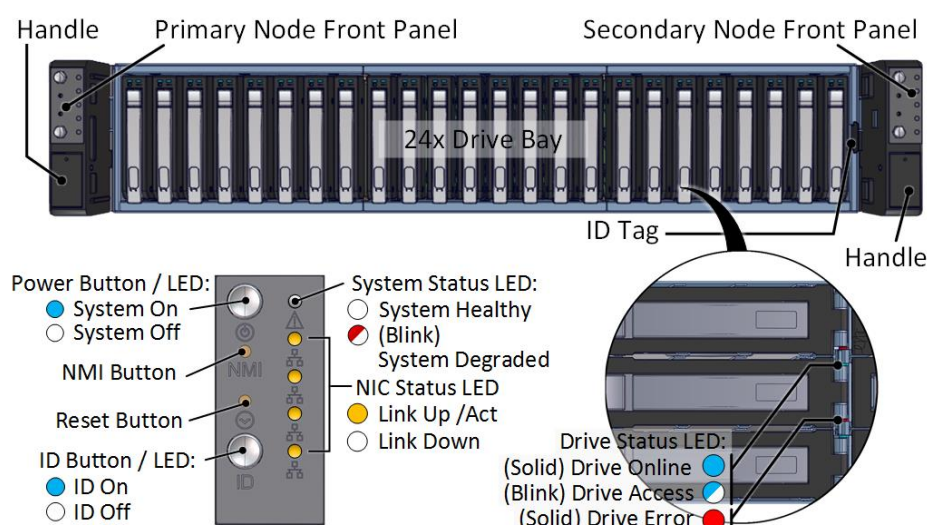
#	Description	Image / Description	Qty
1	DSS224S-UN Enclosure		1
2	Motherboard	Tyan UP motherboard	2
3	CPU and memory	AMD EPYC and DDR4	Opt.
4	IO Cards		Opt.
5	Heatsink		2
6	Slide Rail Kit + Screws		1 set
7	Power Cable*		2
8	Serial Cable*		1

\* 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.

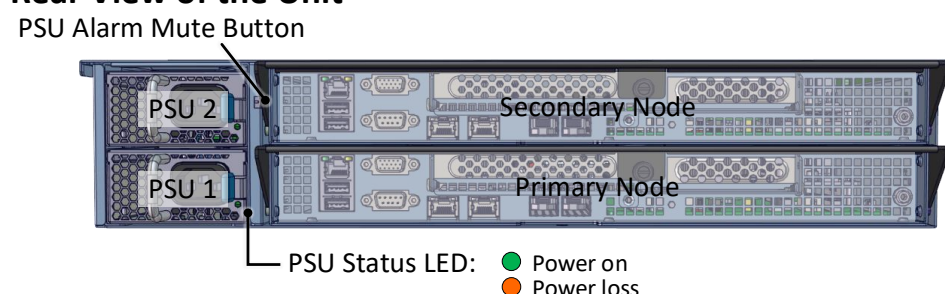
## 2. Get Familiar with the Unit.

DSS224S-UN is a redundant server supporting single AMD EPYC processor with a front 24x 2.5" HDD storage in a 2U space. Two Tyan S8026 motherboards, and internal cabling are preinstalled. Other motherboard model, IO cards, CPU, and memory can be preinstalled upon request.

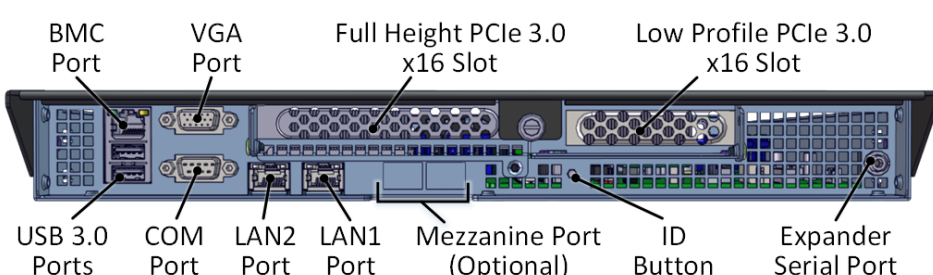
### Front View of the Unit



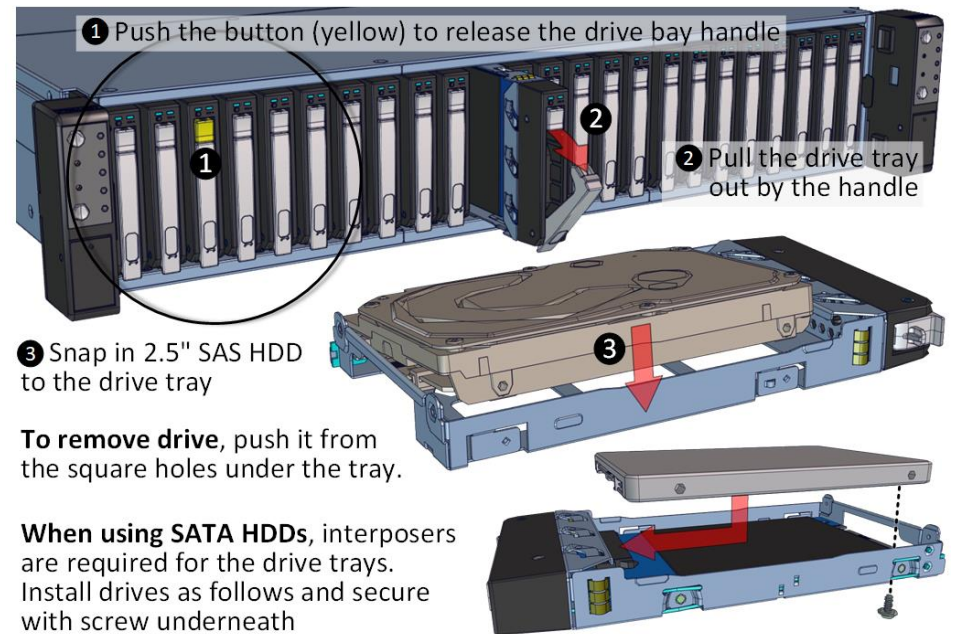
### Rear View of the Unit



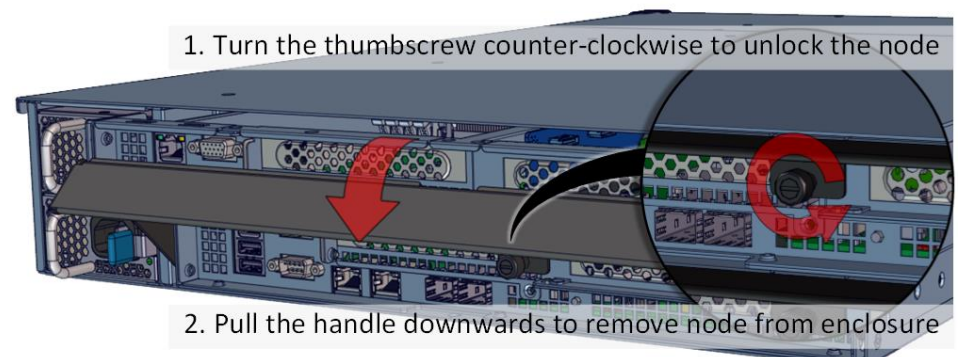
### Controller Node



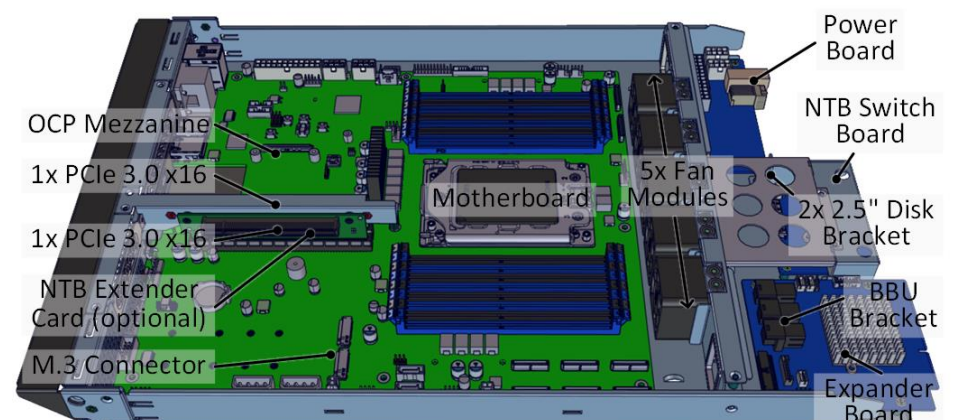
**3. Install 2.5" Drives** to the unit as illustrated. It is suggested to install HDDs after the unit is mounted to the rack.



**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 Tyan motherboard, an expander board, an optional NTB switch board, power board, 5x internal fan modules (all connected to the motherboard).



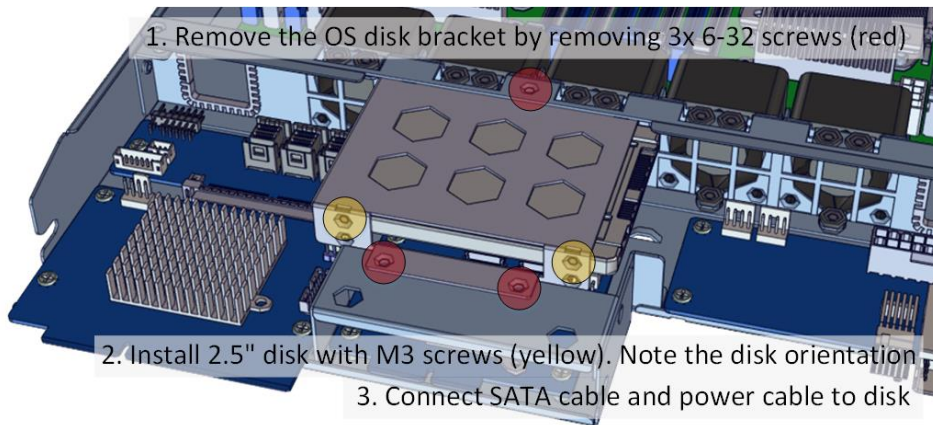
**6. Install OS disk(s)** if required as follows:



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



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

- Support for AMD 14nm Naples x86 processor
- One AMD Socket SP3
- Max up to 180W ACP
- 8+8 DIMM slots
- DDR4 ECC RDIMM/LRDIMM/NVDIMM 2667
- Up to 1TB RDIMM, LRDIMM
- 8 Channels, 1.2V
- Populate from farthest slot first: D1-H1, C1-G1, B1-F1, A1-E1, then A0-A1 to E0-E1 for 10 DIMMs and so on
- PCIe1 is Gen3 x16
- PCIe2 is Gen3 x24
- OCP2.0 is Gen3 x8

## 8. Install IO card as guided below:

1. Remove the riser card assembly by removing 3 screws (red circles)

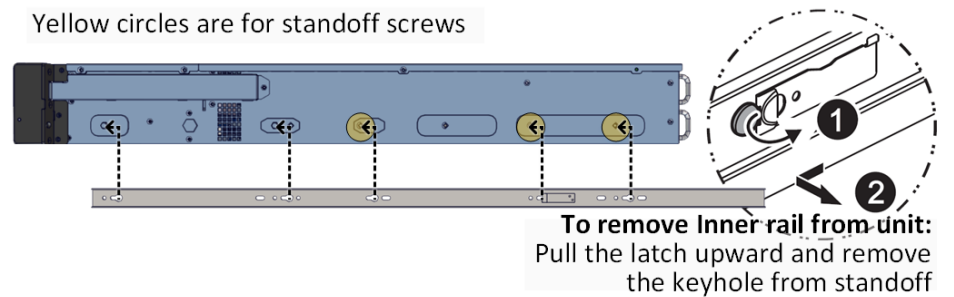


## 9. Remove the Inner Rail from the slide rail.

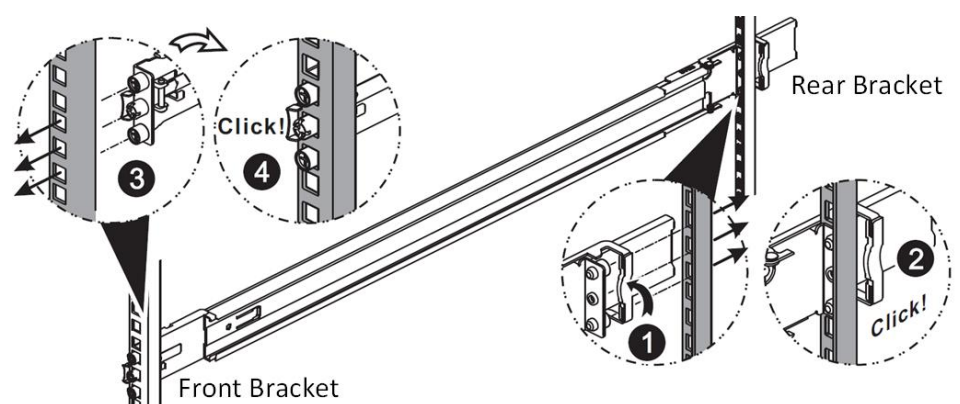
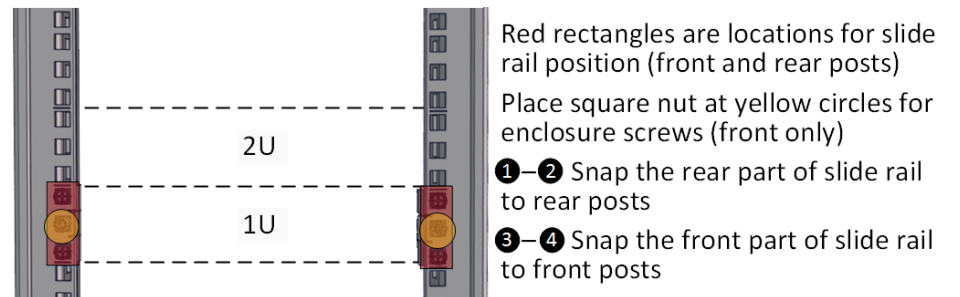
- 1-2 Pull the inner rails out. Pull the blue release tab when it hits a stop.
- 3-4 Keep extending inner rail and pull the white detach tab when it hits the second stop
- 5-6 Unretract the mid rail by pulling the latch on the mid rail

## 10. Install Inner Rails to the enclosure.

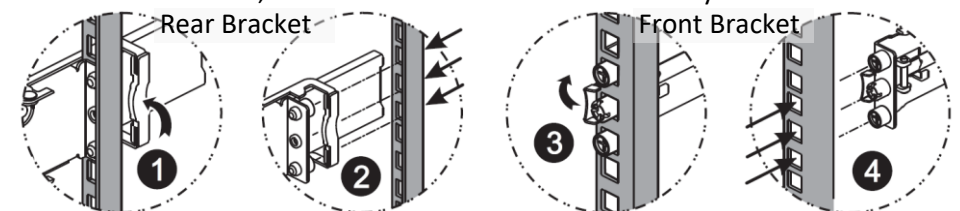
Yellow circles are for standoff screws



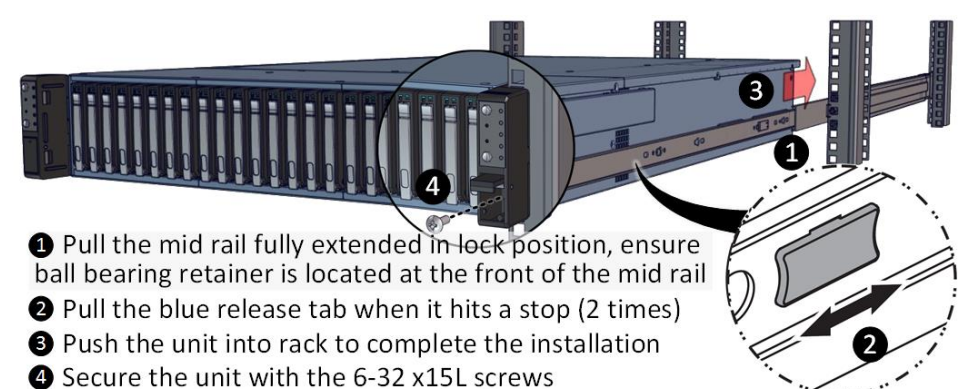
## 11. Install the Outer Rails to the Rack as follows:



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



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



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

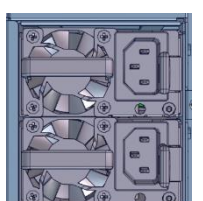


At least two people are recommended for mounting process. Insert HDDs after unit is mounted.

## 13. Drive Mapping of DSS224S-UN 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 secondary 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.

