



Thank you for your purchase of Premio eDrawer4048S-D5 Skylake Dual Processor Storage Server!

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

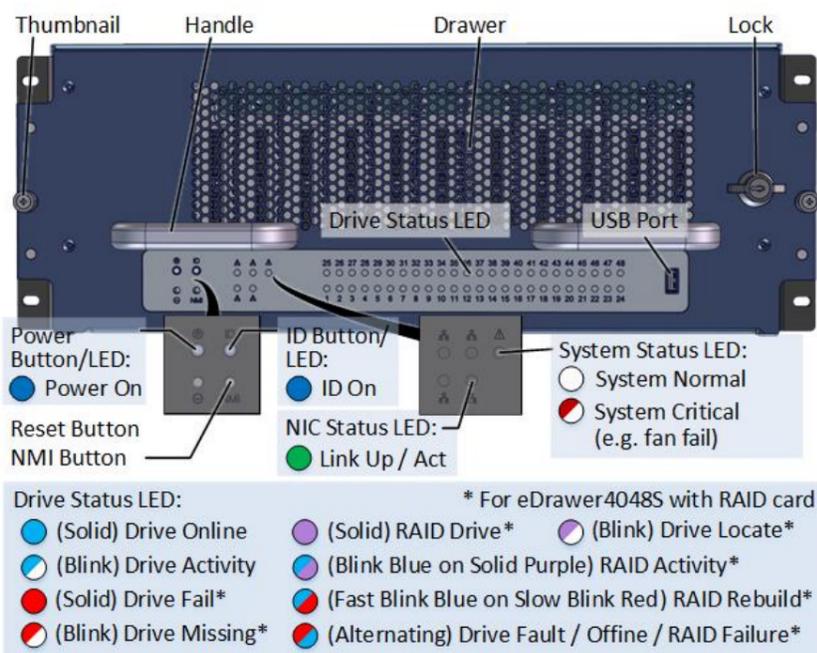
#	Description	Image / Description	Qty
1	eDrawer4048S Enclosure		1
2	Motherboard	Tyan S7100GM2NR	1
3	CPU and memory	Intel Skylake and DDR4	2 sets
4	Heatsink		2
5	Internal SAS cables	4x SFF8643, 1x SFF8087	1 set
6	2.5" Drive Trays		4
7	Rail Blade		1 set
8	Power Cable*		2
9	Serial Cable*		1
10	Side Handles*		2

* 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.

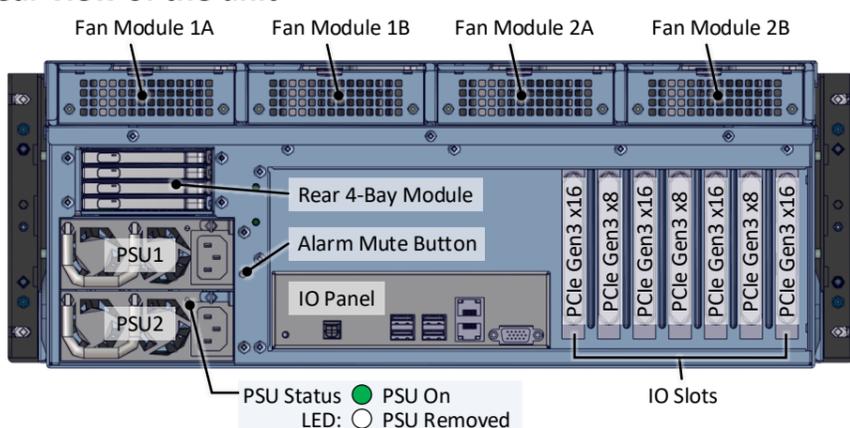
2. Get Familiar with the Unit.

eDrawer4048S-D5 is a storage server supporting dual Intel Skylake processor and front drawer 48x 3.5" HDDs, rear 4x 2.5" drive, and 2x 2.5" OS disk in a 4U space. Tyan S7100GM2NR are preinstalled. IO cards, CPU, and memory can be preinstalled upon request.

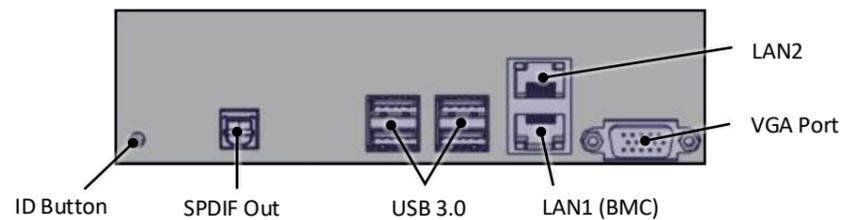
Front view of the unit



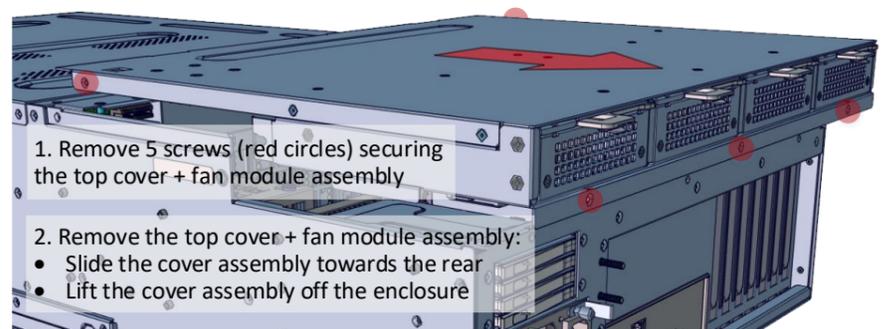
Rear view of the unit



Rear IO Panel

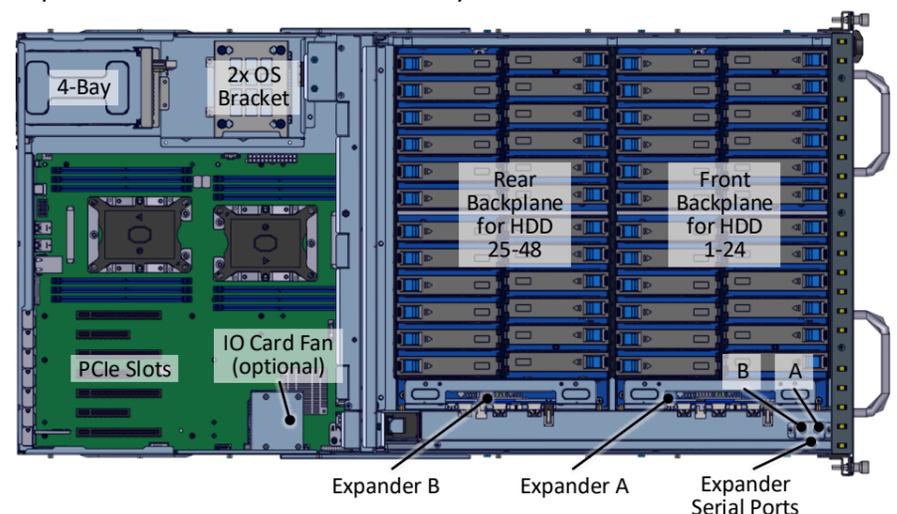


3. Remove the Top Cover of the unit as indicated.



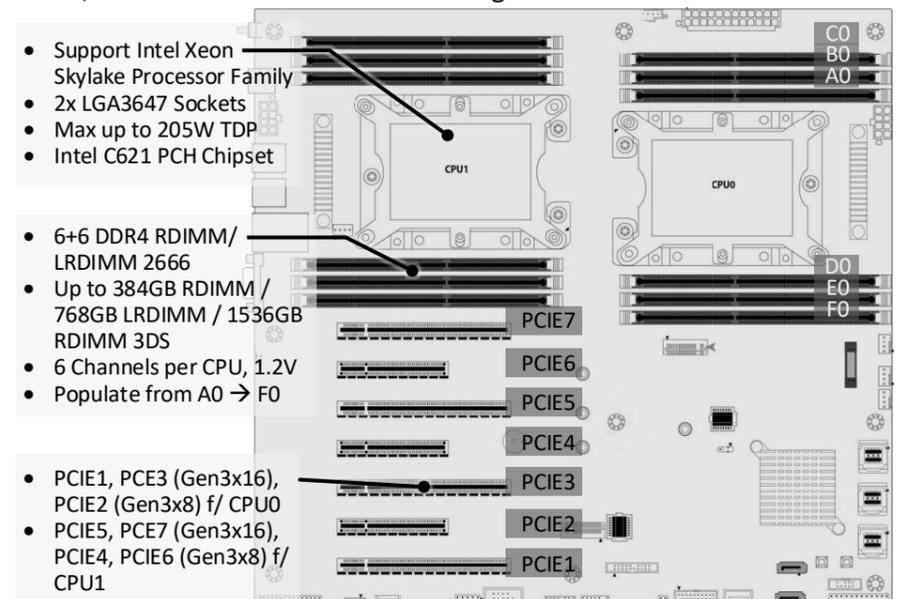
4. Inspect the Inside

of the unit. Internal components comprise of a Tyan motherboard, 1x SFF8087 for rear 2.5" 4-Bay, a bracket for 2x 2.5" OS disks, 4x SFF8463 SAS cables for 48-Bay and an optional IO card fan. Front backplane and Fan 1A/2A are routed to Expander A; rear backplane, rear 4-Bay, and Fan 1B/2B are routed to Expander B. All fans are controlled by the motherboard.



5. Install Motherboard Components

(CPU, heatsink, memory). Below are motherboard diagrams for Tyan S7100GM2NR. For detail, refer to the motherboard user's guide.

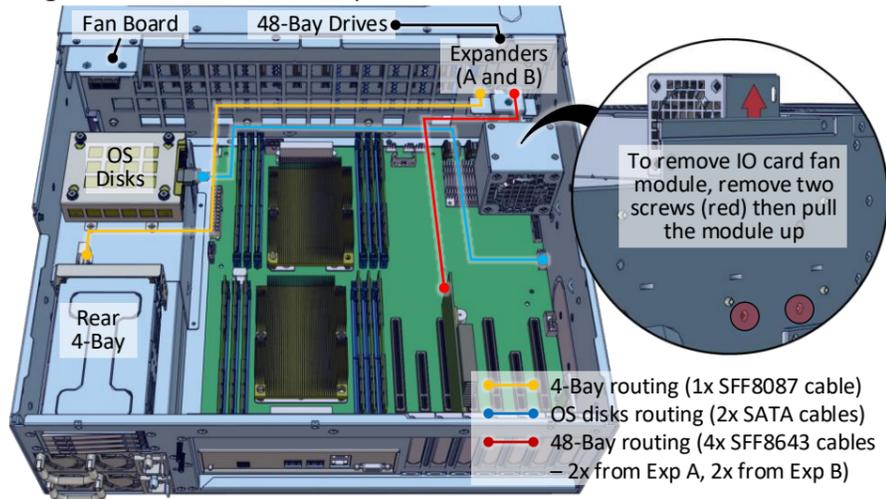


Installation and service of this product should be conducted by a trained personnel to avoid bodily injury from electric shock or heavy object

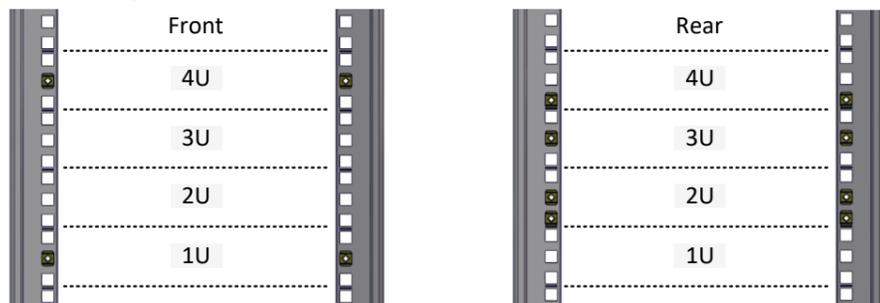


Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components

6. Setup Internal Cable Connection. Below is a recommended connection: OS disks to motherboard on-board SATA port, rear 4-Bay connected to Expander B then to IO card, 48-Bay disks to Expanders to HBA/RAID IO card. Install IO cards to PCIe slots using full height brackets. Close the top cover after finished.



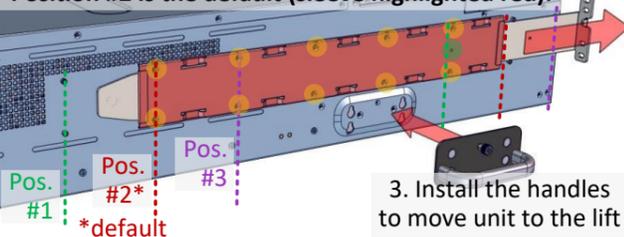
7. Prepare the Rack by installing square nuts:



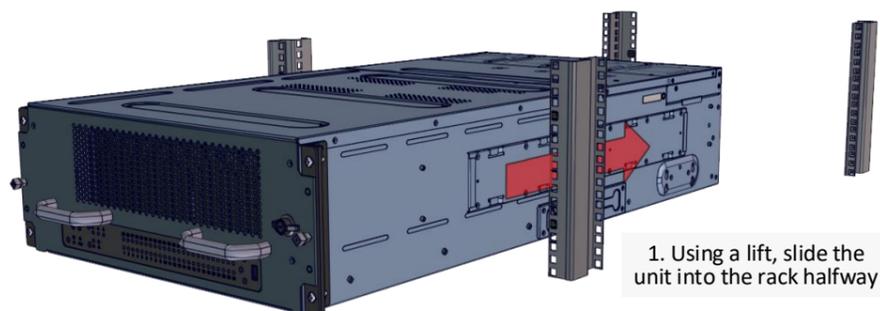
8. Prepare the Rails by removing it from the enclosure and adjust the rail sleeve, as necessary, subject to the depth of your rack:

- Remove screw (green circle) to remove the rail blade from the sleeve
- To adjust rail sleeve, remove the sleeve screws (yellow circles) and place to desired position (see table). **Position #2 is the default (sleeve highlighted red).**

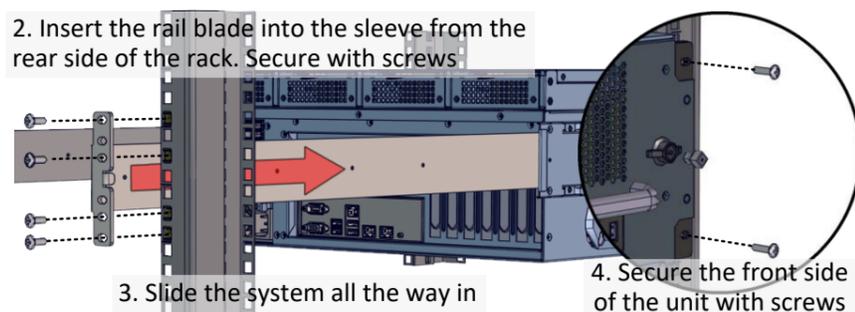
Pos.	Rack Depth
1	28" - 32"
2*	31" - 35"
3	34" - 38"



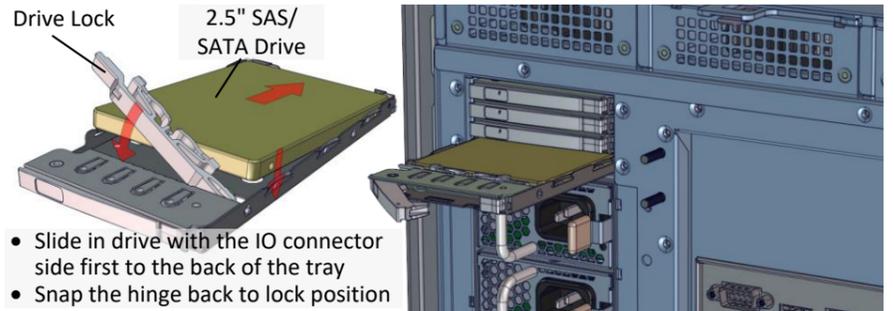
9. Install the Unit to the Rack as follows:



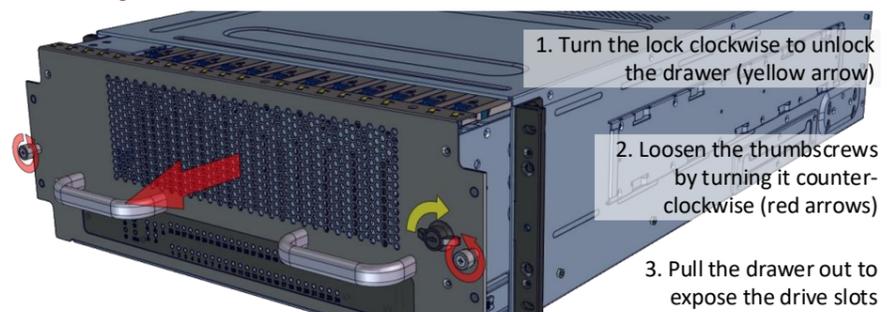
Use side handles to help carry the unit to a table or a rack lift. Side handles are not to be used for rack mounting. At least two people are recommended for mounting process.



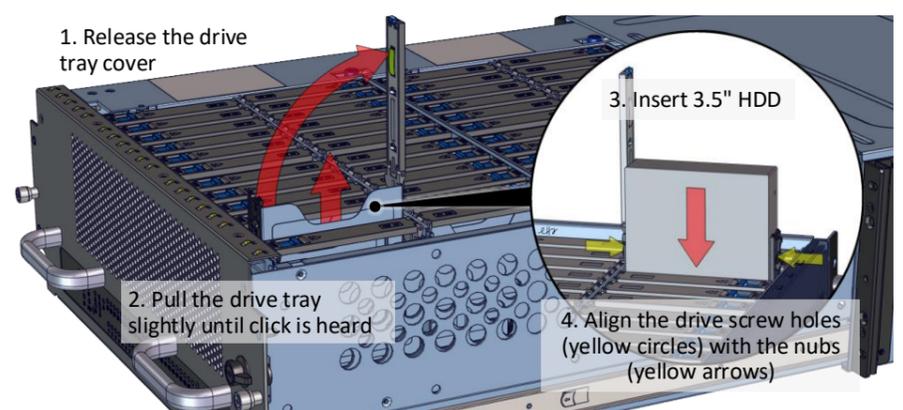
10. Install 2.5" Disks to 4-Bay Drive Trays as necessary. SSD and HDD may be sold separately. M3 screws are required if using HDD. Apply screws to bottom side of the drive tray.



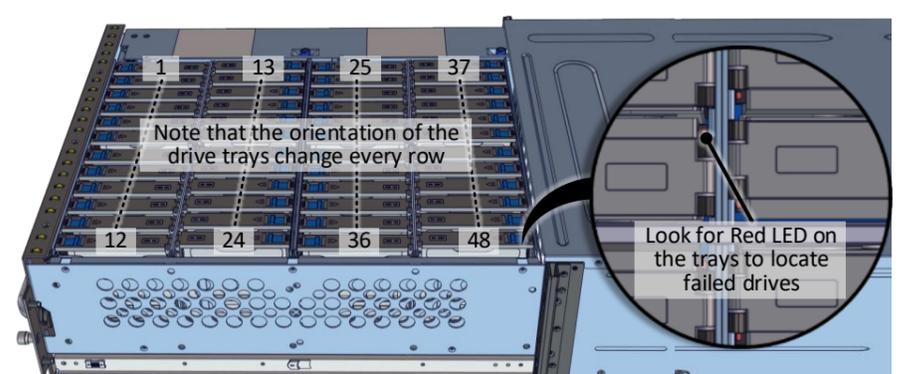
11. Open Drive Drawer to install disk drives:



12. Install 3.5" Drives to the enclosure as illustrated:



13. Install 3.5" Drives to the enclosure as illustrated:



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



16. Access the Serial Console (when necessary) by connecting a serial audio cable to the one of the console ports. Pull out the drawer for serial port access. See picture for detail. Use a terminal console with baud set 38400, 8, N, 1, N. Type "help -a" for a list of commands.

