
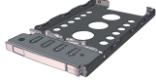
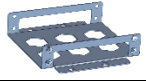
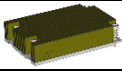

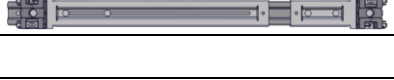




Thank you for your purchase of FlacheSAN1L-UN, 1U 20-Bay Epyc UP Storage Server!

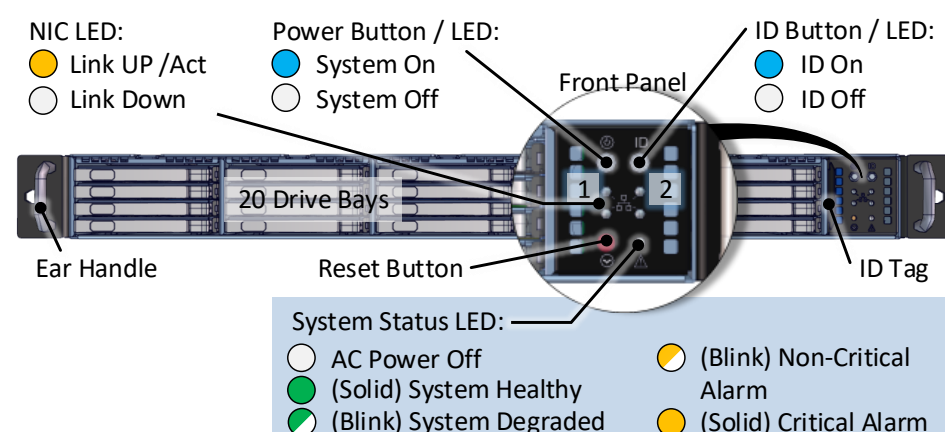
1. Check the content of the box. Please verify that your package contains the following:

#	Description	Image / Description	Qty
1	1U20 Enclosure		1
2	2.5" Tool-less Drive Trays		20
3	Motherboard	Tyan S8026GM2NR	1
4	Internal SAS cables	Ex. SFF-8643 to Oculink	5
5	OS disk bracket		1
6	CPU and memory	Pre-installed upon request	1 set
7	Heat sink		1
8	Screw Sets*	for drives, rails and rack	3 sets
9	Power Cable*		2
10	Slide Rail Kit (opt)		1
11	Front Bezel (opt)		
12	This Quick Guide		1
13	Packaging		1 set

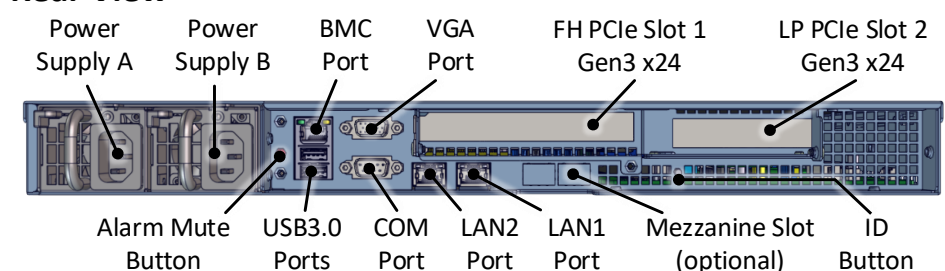
* Inside the accessories box. If any items are missing, please contact your authorized reseller or sales representative

2. Get familiar with the unit.

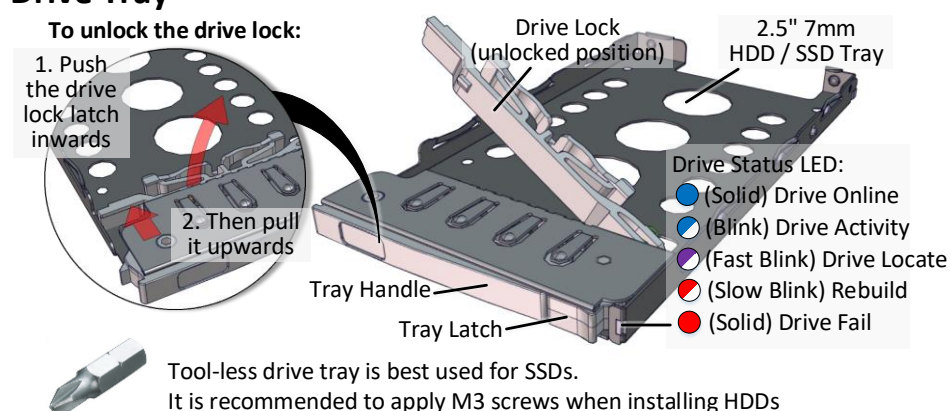
Front View



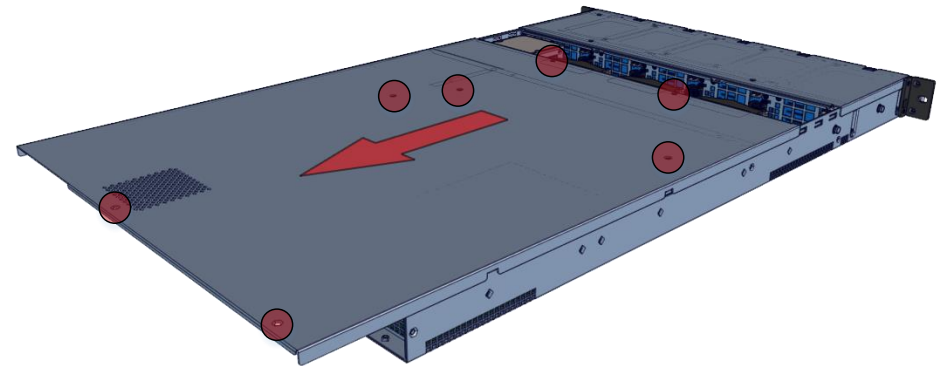
Rear View



Drive Tray

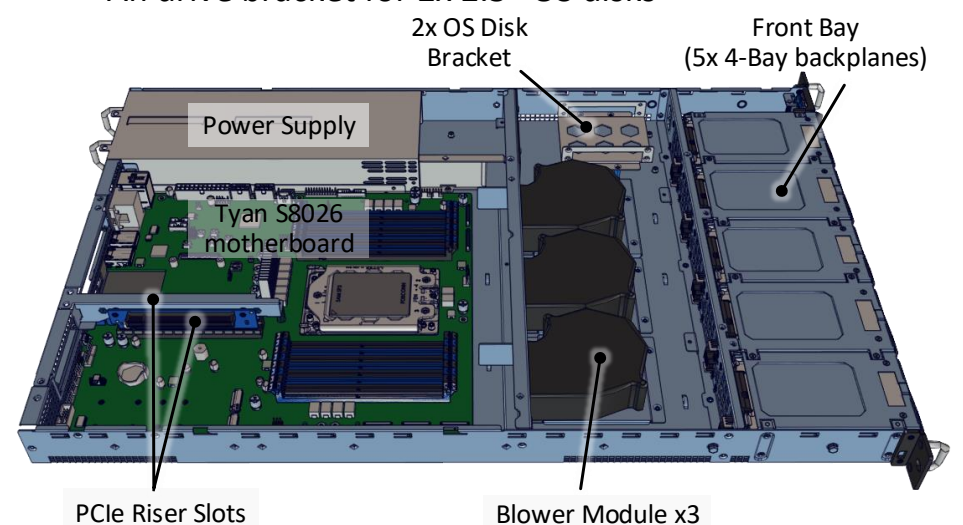


3. Remove the top cover by removing the 7 screws (red circles) on the top of the unit and slide the cover towards the back of the unit.



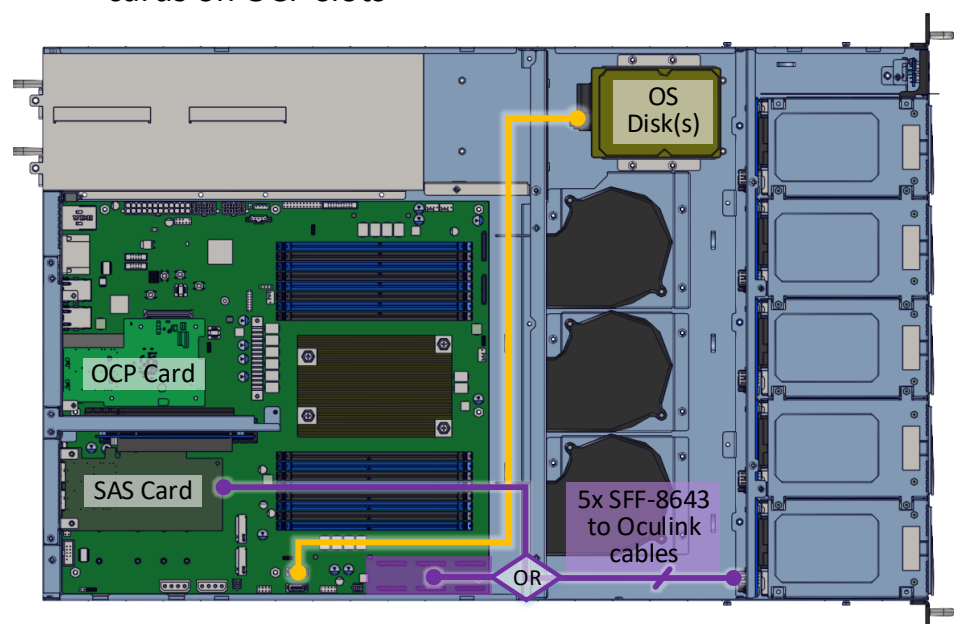
4. Inspect the internal of the chassis. By default, it consists of:

- Tyan S8026GM2NR Epyc Single Processor motherboard
- A set of five backplanes supporting 20x tool-less drive trays for 2.5" 7mm HDDs or SSDs
- 3x blower modules
- 2x PCIe riser cards for 2x IO cards (one low profile, one full height),
- An drive bracket for 2x 2.5" OS disks



See illustration below for one example of the data path from disk devices to the host.

- OS disks are connected to the on-board Mini SAS HD connectors (SATA 3.0)
- Front 20x drives are connected to 2x SAS mezzanine cards on OCP slots

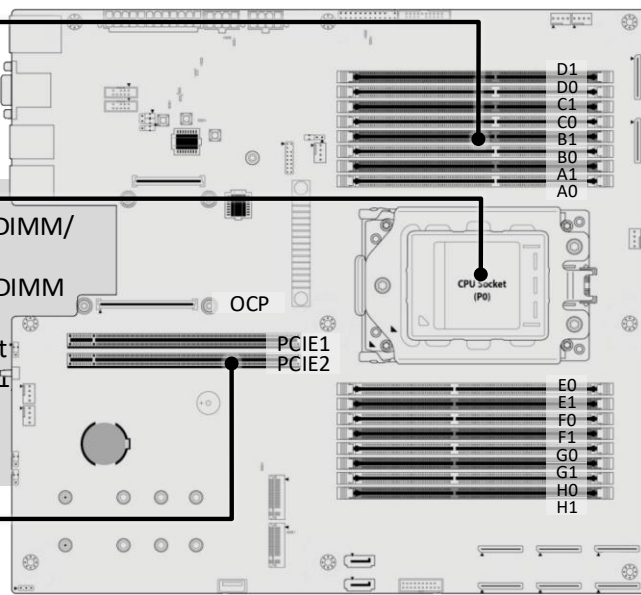


Installation and service of this product should be conducted by a trained personnel to avoid any bodily injury from electric shock or heavy object

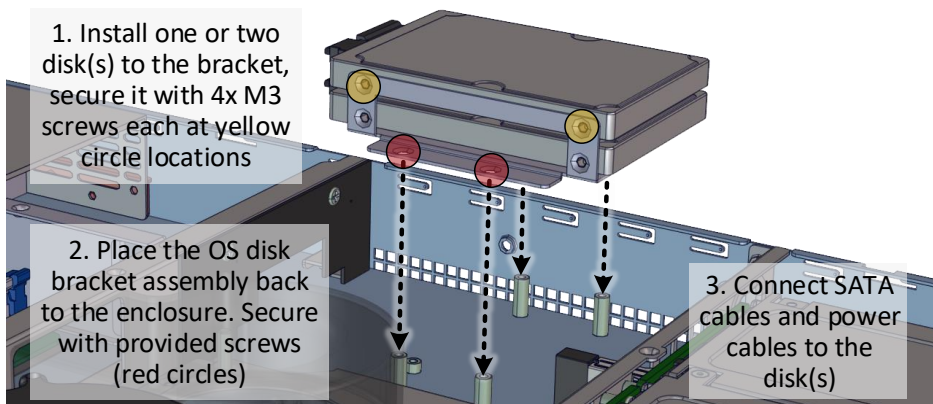


Observe ESD (Electrostatic Discharge) practices during integration to avoid possible damage to the board and / or other components

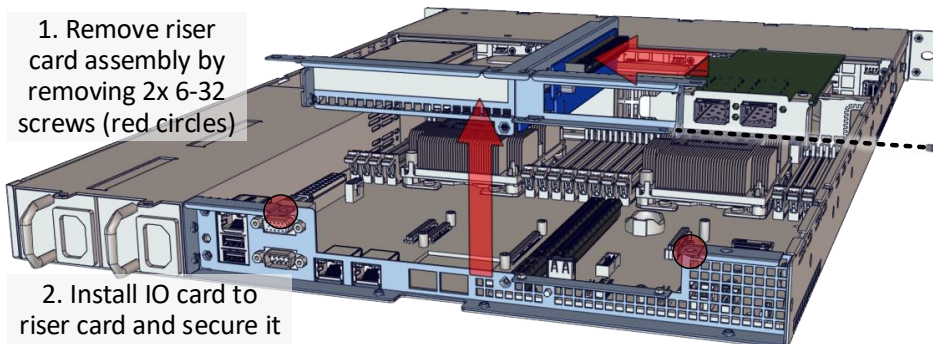
5. Install CPU and memory (may be sold separately) to their respective slots on the motherboard. Refer to the motherboard's TPS for details.

- 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
- 

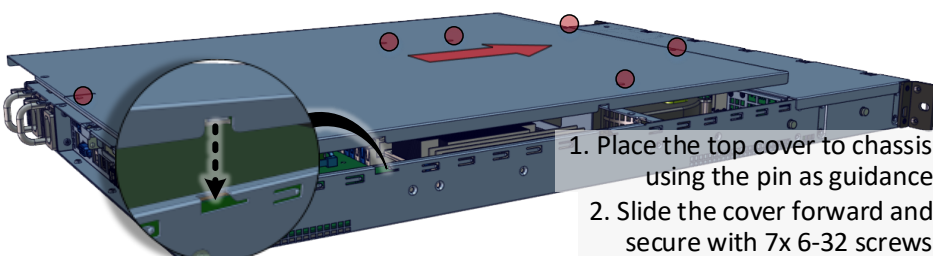
6. Install OS disk(s) into the bracket.

1. Install one or two disk(s) to the bracket, secure it with 4x M3 screws each at yellow circle locations
 2. Place the OS disk bracket assembly back to the enclosure. Secure with provided screws (red circles)
 3. Connect SATA cables and power cables to the disk(s)
- 

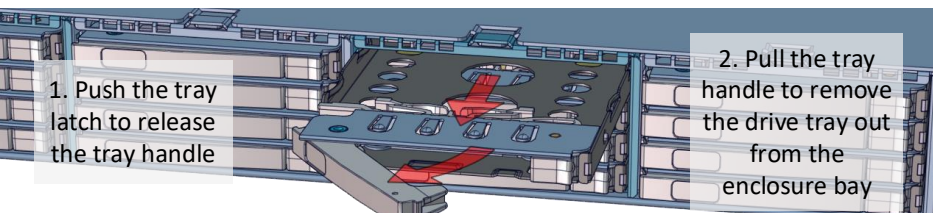
7. Install IO cards (may be sold separately) to PCIe slots.

1. Remove riser card assembly by removing 2x 6-32 screws (red circles)
 2. Install IO card to riser card and secure it
- 

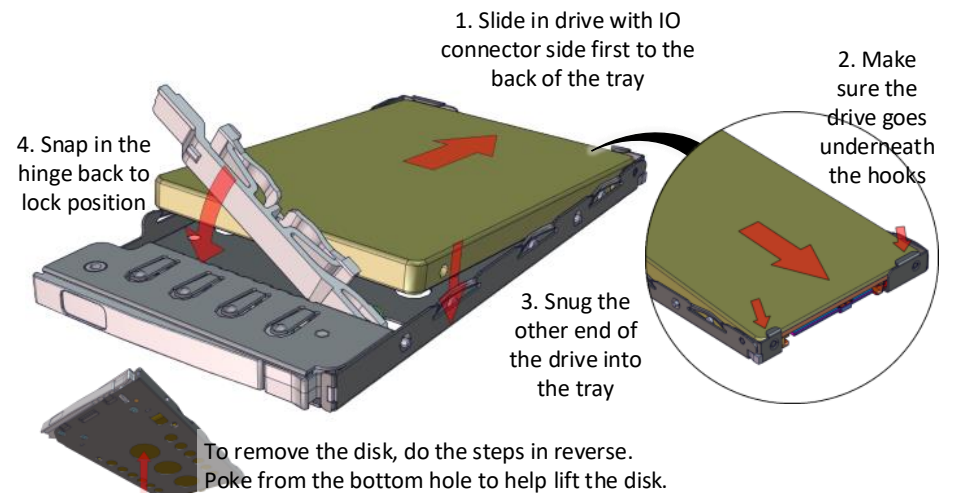
8. Replace the top cover. Once we are finished with the internals of the system, close the top of the chassis as described below:

1. Place the top cover to chassis using the pin as guidance
 2. Slide the cover forward and secure with 7x 6-32 screws
- 

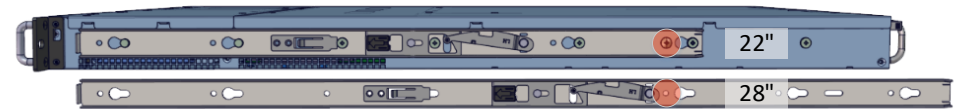
9. Remove drive trays from the enclosure.

1. Push the tray latch to release the tray handle
 2. Pull the tray handle to remove the drive tray out from the enclosure bay
- 

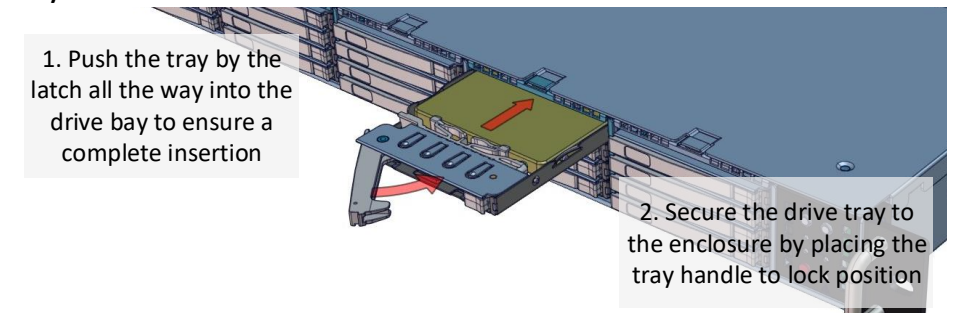
10. Install drives into trays. Follow the diagram closely. SSD and HDD sold separately. For HDD installation, the use of M3 screws is recommended.

1. Slide in drive with IO connector side first to the back of the tray
 2. Make sure the drive goes underneath the hooks
 3. Snug the other end of the drive into the tray
 4. Snap in the hinge back to lock position
- To remove the disk, do the steps in reverse. Poke from the bottom hole to help lift the disk.
- 

11. Place the unit to the rack. Two types of slide rail (22" and 28" long) are available. Secure with screw as indicated. Please refer to Rail Kit Installation Guide on how to mount the enclosure to the rack.



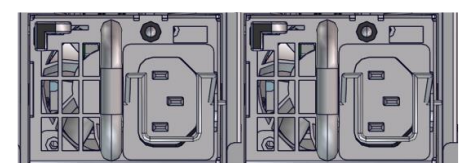
12. Install the populated drive trays into the enclosure with the drives properly secured to the hard drive trays.

1. Push the tray by the latch all the way into the drive bay to ensure a complete insertion
 2. Secure the drive tray to the enclosure by placing the tray handle to lock position
- 

13. Drive mapping begins from top to bottom and to the right, depending on the internal SATA connection.



14. Plug in the power cords to the AC receptacles on the back of the unit and secure it with power cable harness.



15. Press the power button on the front of the unit after connecting a monitor and input devices, and get ready for software setup.

