

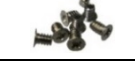


Thank you for your purchase of FlacheSAN2V-U5, a 2U 48-Bay Skylake UP Storage Server!

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

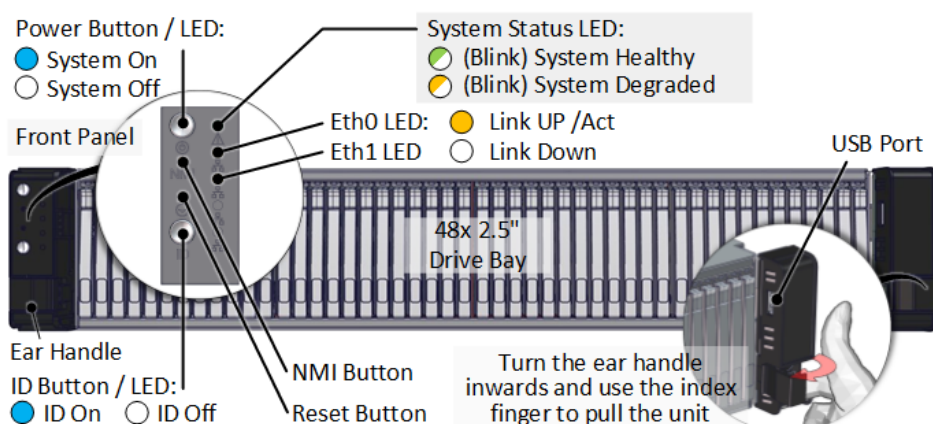
#	Description	Image / Description	Qty
1	2U 48-Bay Enclosure		1
2	2.5" Drive Trays		48
3	Storage SSD (opt.)		48
4	Power Cable*		2
5	Rail Kit (optional)		1
6	Bezel (optional)		1
7	Supermicro X11SPL motherboard		1
8	Expander modules (optional)		
9	6#32 IH#1 Screw Set for MB / Riser*		1 set
10	IO Cards (optional)		1 set
11	SFF 8087-8643 cable (preinstalled)	Used for IO cards, optionally installed by order	12
12	Heat sink		2
13	OS Disk (optional)		1-2
14	This quick guide		1
15	Packaging		1 set

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

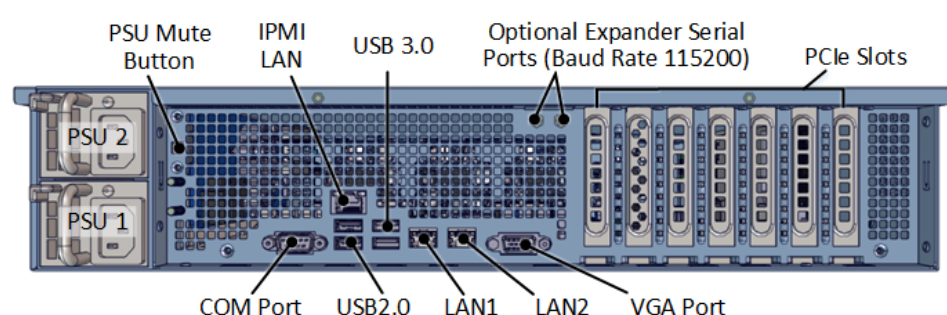
2. Get familiar with the unit.

FlacheSAN2V-U5 is a value 48x 2.5" 7mm SSD storage server in a 2U space, supporting Skylake uni-processor powered by Supermicro X11SPL-F MB, 6x rear low profile Gen3 x8 and 1x Gen3 x4 PCIe slots, and an optional 2-Bay 2.5" canister. FlacheSAN2V-D5 offers expander and non-expander versions.

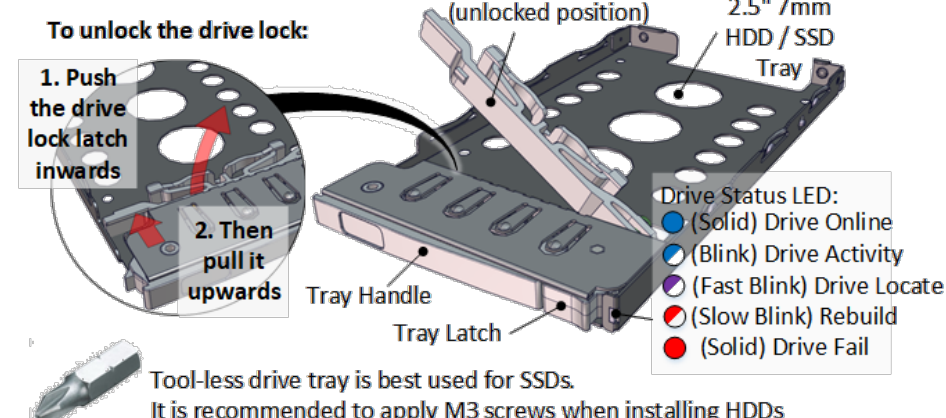
Front view of the unit



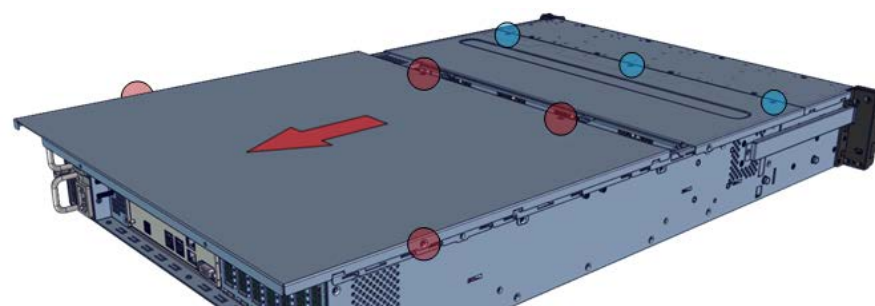
Rear view of the unit



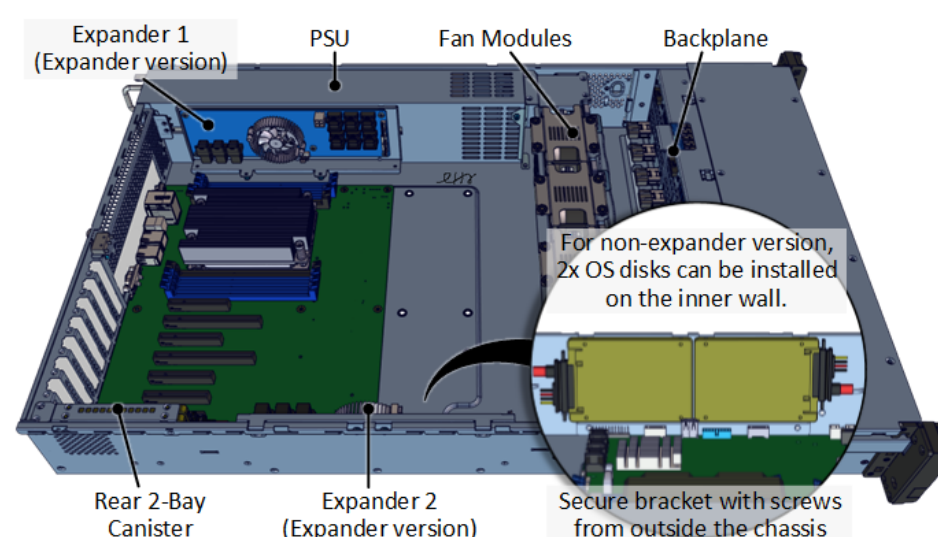
Drive Tray



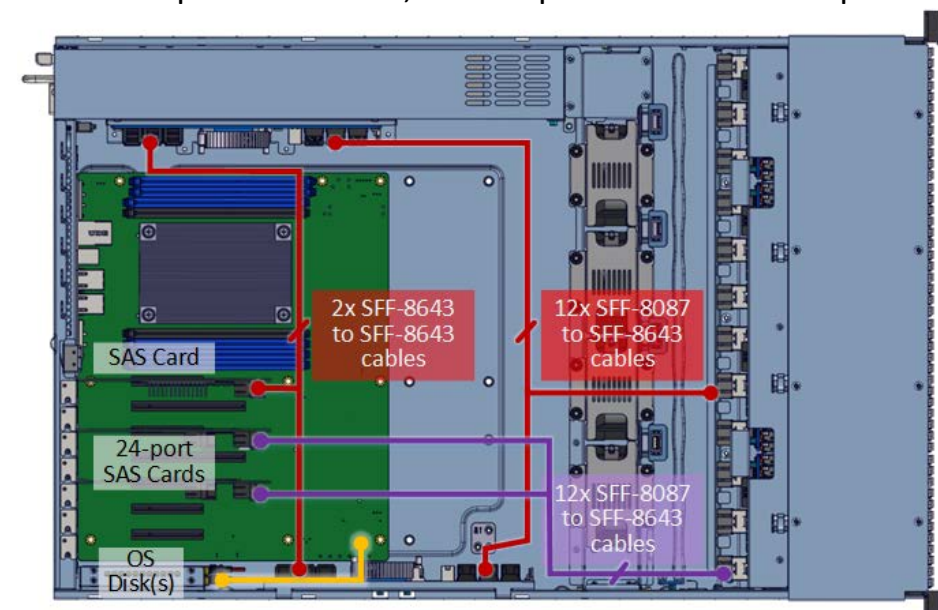
3. Remove the top cover by removing 4 screws on the cover. Remove mid cover (blue circles) to access system fans. Slide the covers towards the back of the unit.



4. Inspect the internal of the chassis. FlacheSAN2V-D5 consists of a Supermicro Purley motherboard, fan modules, backplanes, IO cards (optional) or expanders (for expander version) for 48x SSDs with internal mini-SAS HD cables.



Using expanders, 12x SAS cables from backplane connect to 2x expanders, then from expander to SAS card (red path). For non-expander version, two 24-port SAS cards is required.



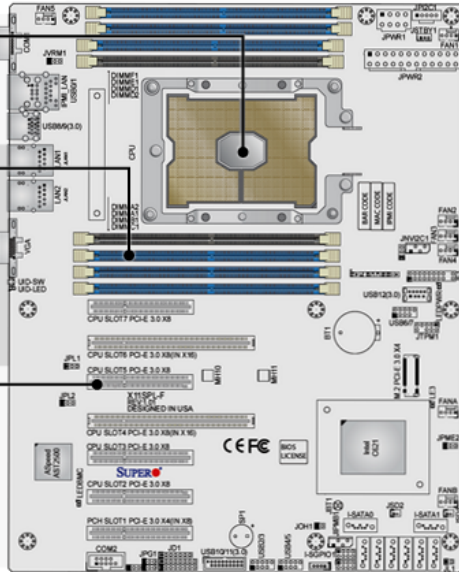
Installation and service of this product should be conducted by a trained personnel to avoid bodily injury from electric shock or heavy object



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

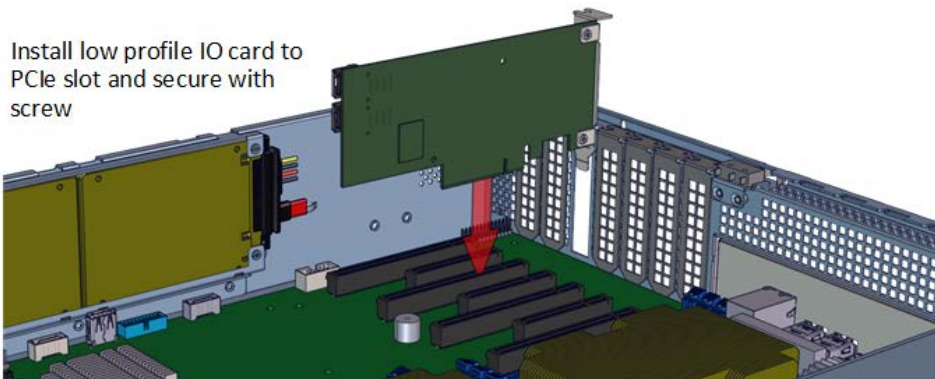
5. Install CPUs, memory (not included) and heat sinks to their respective slots. Please be aware of each component's installation requirements. For details, refer to X11SPL-F motherboard user's guide.

- Support Intel Xeon 81xx/61xx/41xx/31xx series processor up to 28 cores
- 2x P0-LGA3647 Sockets
- Max up to 165W TDP
- Up to 256Gb of RDIMM, 512GB of LRDIMM, and 1TB 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, A2, D2. Blue slots first.
- PCIe1: PCIe Gen3 x4 (in x8 slot)
- PCIe2, PCIe3, PCIe5, PCIe7: Gen3 x8
- PCIe4, PCIe6: Gen3 x8 (in x16 slot)
- Intel C621 PCH chipset
- Intel Ethernet controller i210
- AST2500 BMC



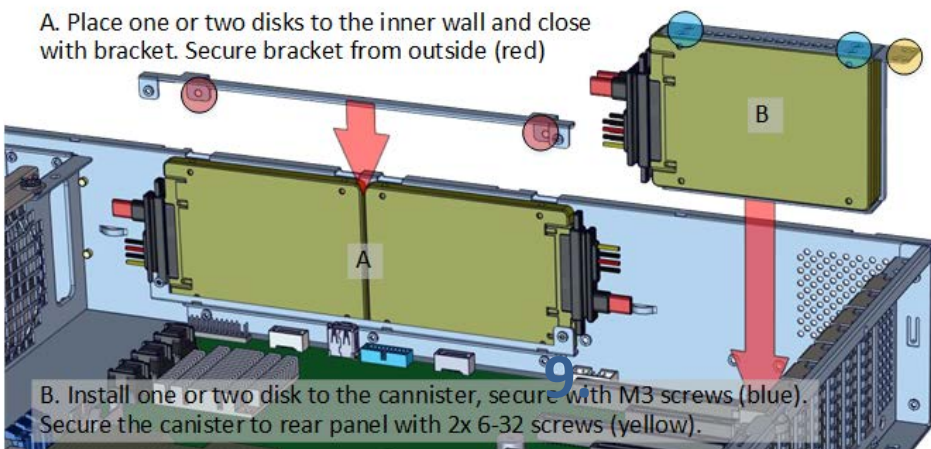
6. Install IO cards (optional) into PCI-e riser cards.

Install low profile IO card to PCIe slot and secure with screw



7. Install OS disk(s). There are two choices for OS disk installation. One with canister (if expanders are used), and one without. See below for installation for each.

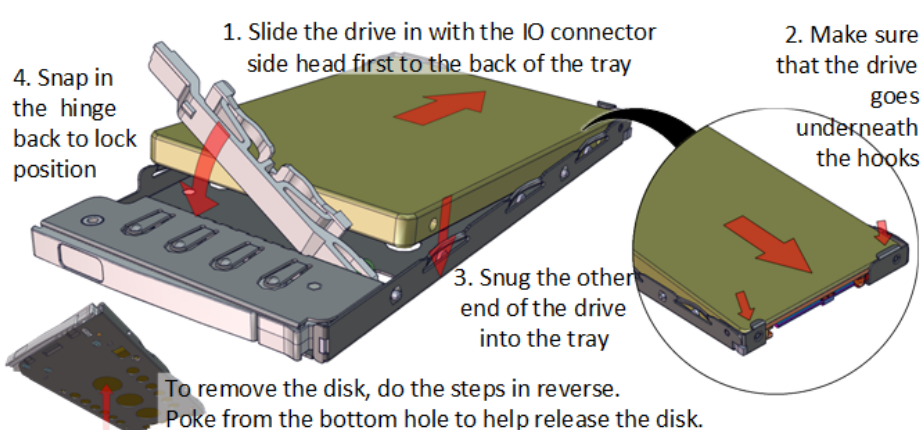
A. Place one or two disks to the inner wall and close with bracket. Secure bracket from outside (red)



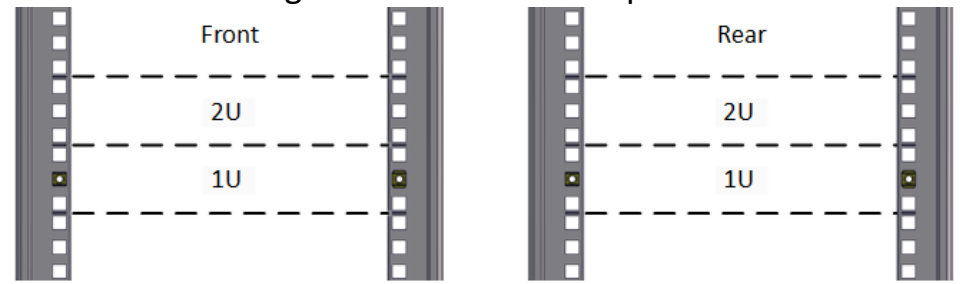
B. Install one or two disk to the canister, secure with M3 screws (blue). Secure the canister to rear panel with 2x 6-32 screws (yellow).

8. Put the top cover. Once we are finished with the internals of the system, close the top of the chassis.

9. Install drives into trays. Follow the diagram closely. SSDs can be provided and installed by request.



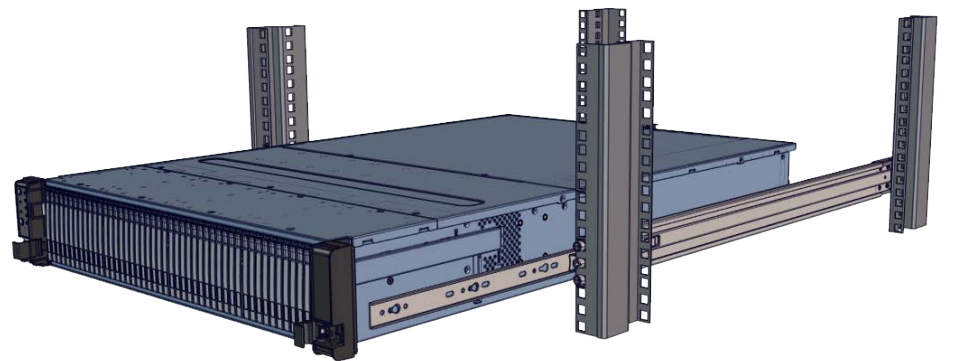
10. Place the unit to the rack. Prepare square nuts for screws securing the enclosure to the posts as follow:



Install inner rails using pins (red), secure with screw (blue).



Install outer rail to posts then mount the unit to the rack.

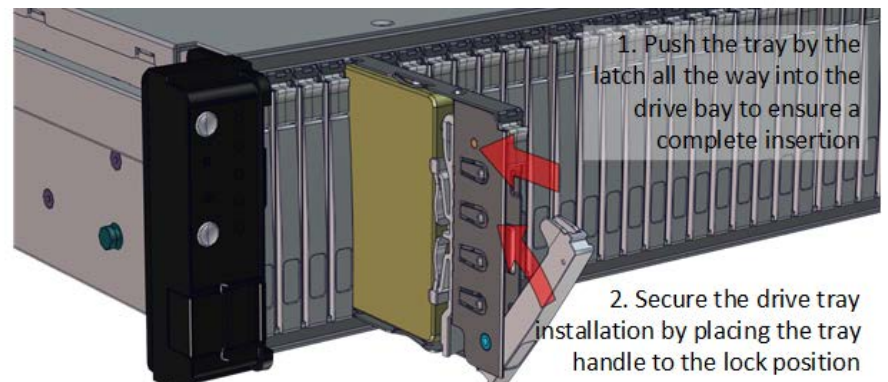


Refer to Rail Kit Installation Guide on complete detail on how to mount the unit.

Caution: At least two people are required to lift a fully populated chassis



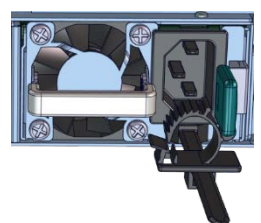
11. Install the populated drive trays into the enclosure with the drives secured to the hard drive trays.



12. Drive mapping incrementally goes from left to right depending on the connection to the IO cards.



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



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

