



Thank you for your purchase of FlacheSAN2-D5, a 2U 48-Bay Skylake DP Storage Server!

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

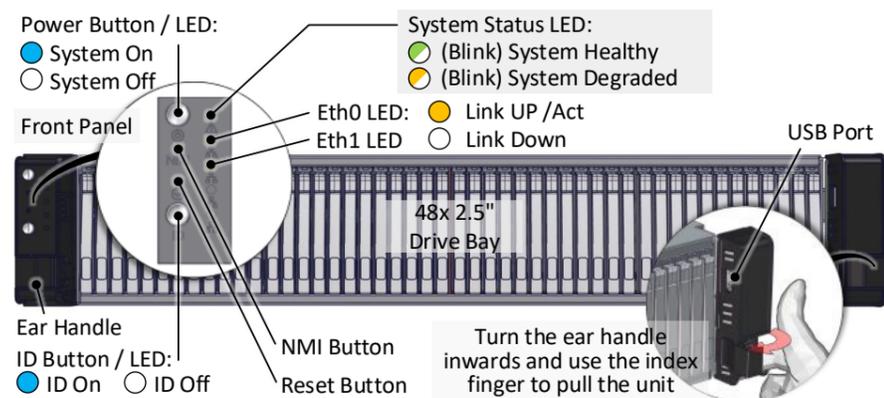
#	Description	Image / Description	Qty
1	2U 48-Bay Enclosure		1
2	2.5" Drive Trays		48+4
3	Storage SSD (opt.)		48
4	Power Cable*		2
5	Rail Kit (optional)		1
6	Bezel (optional)		1
7	Intel S2600WT MB (preinstalled)		1
8	6#32 IH#1 Screw Set for MB / Riser*		1 set
9	IO Cards (optional)		1 set
10	SFF 8087-8643 cable (preinstalled)	Used for IO cards, optionally installed by order	12
11	IO Module (opt.)		1
12	RAID Module (optional)		1
13	Heat sink		2
14	OS Disk (optional)		1-4
15	This quick guide		1
16	Packaging		1 set

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

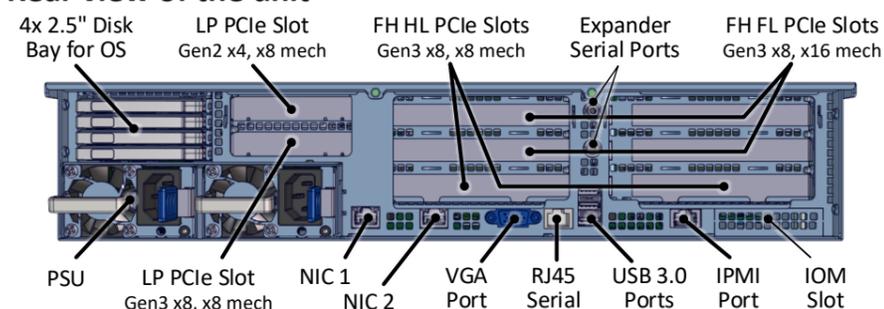
2. Get familiar with the unit.

FlacheSAN2-D5 is a 48x 2.5" 7mm SSD based storage server in a 2U space, supporting dual Skylake processors powered by Intel S2600WF motherboard, 6x rear Gen3 x8 FH PCIe cards, 2x LP PCIe cards, and 4-Bay 2.5" canister.

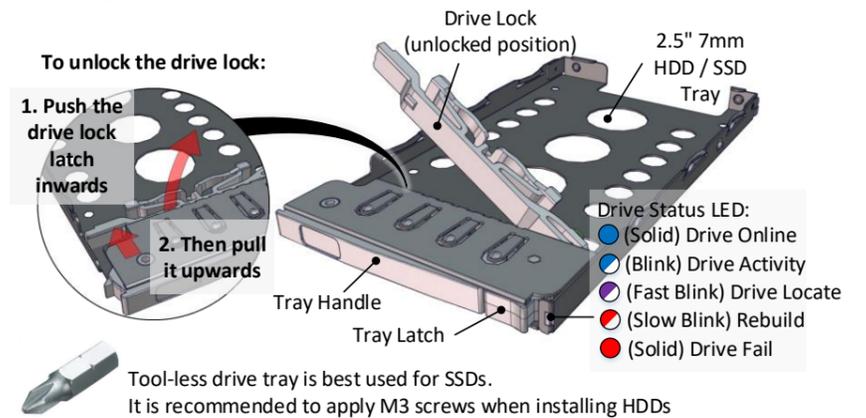
Front view of the unit



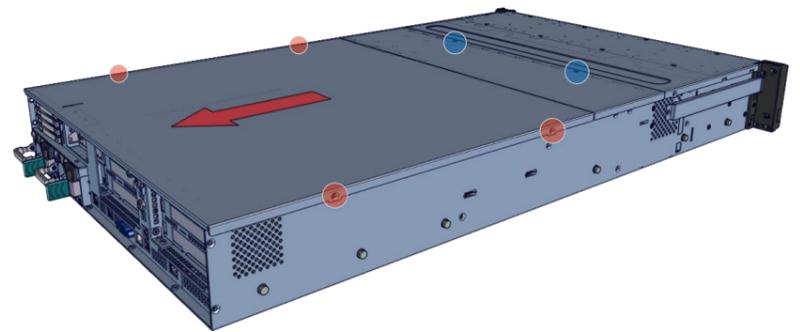
Rear view of the unit



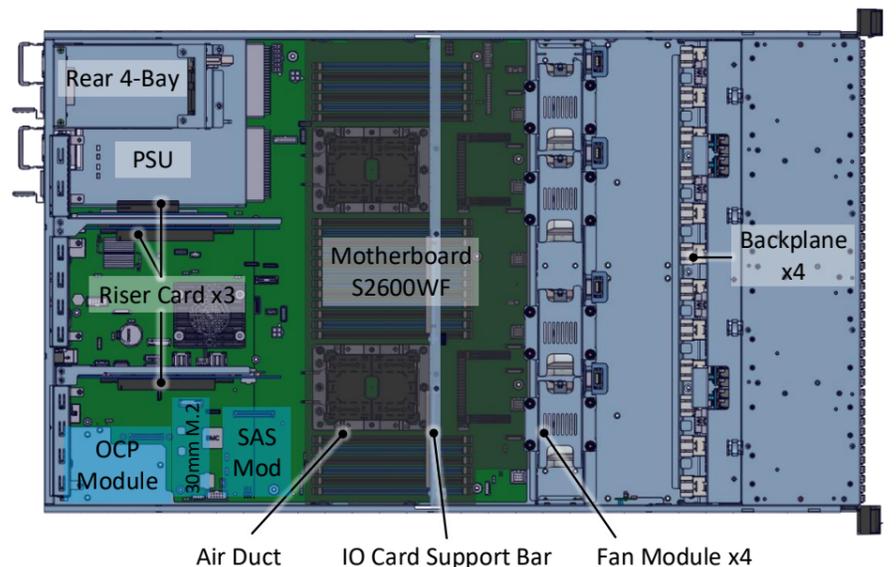
Drive Tray



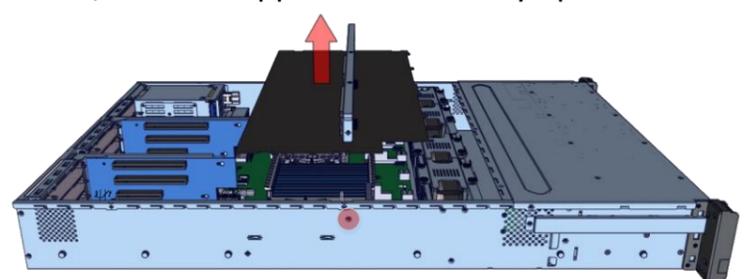
3. Remove the top cover by removing the 4 screws on the sides of the unit. Remove additional screws (blue circles) to open the middle top cover (for fan module access). Slide the covers towards the back of the unit.



4. Inspect the internal components of the chassis. FlacheSAN2-D5 system by default comes with Intel S2600WF Skylake motherboard, an air duct, fan modules, backplanes, IO cards for 48x SSDs with internal mini-SAS cables. Upon request, optional items such as ROC Module, OS disk, BBU can be provided. Note the locations of each component.



5. Remove air duct assembly from the chassis. Remove two screws from the sides of the unit (red circle) and pull the air duct / IO card support bar assembly up.



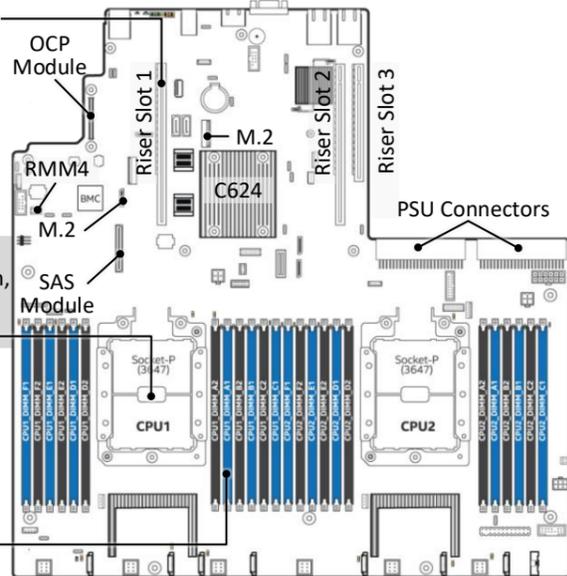
Installation and service of this product should be conducted by a trained personnel to avoid bodily injury from electric shock or heavy object



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

6. 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 S2600WF motherboard TPS. Replace the air duct once finished.

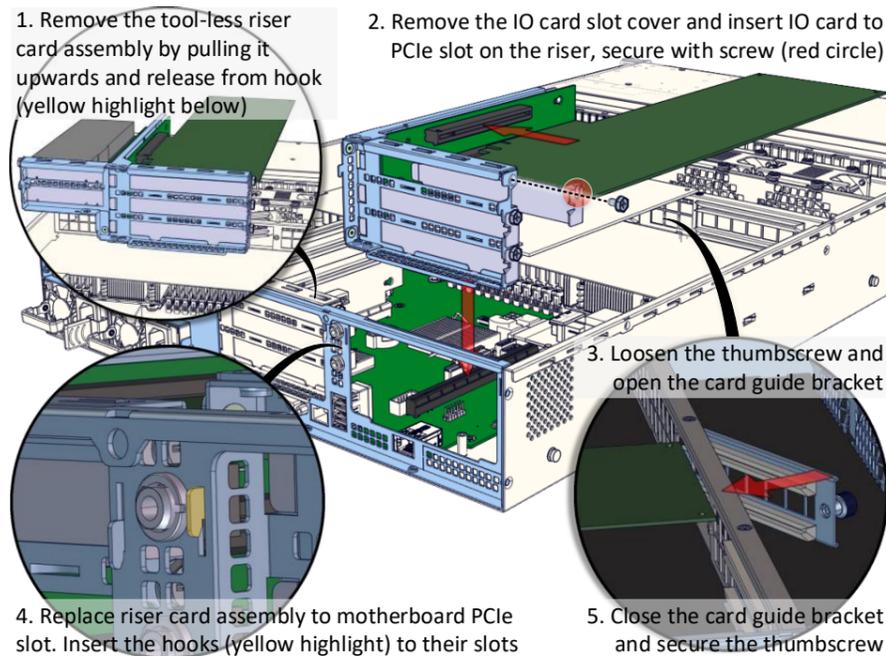
- Riser Card 1 and 2 are Gen3 x24 divided into 3 slots each
- Riser Card 3 slots are Gen2 x4 and Gen3 x8
- Riser Card 1 is associated with CPU1
- Riser Card 2 and 3 are associated with CPU2
- Two LGA3647-0 (Socket P)
- Intel Xeon Scalable (Platinum, Gold, Silver, Bronze) CPUs
- TDP up to 205W
- 24 DIMMs, 2/ch, 6 ch/CPU
- RDIMM, LRDIMM DDR4
- 1.5TB max (Gold, Plat), 768GB (Silver, Bronze CPU)
- 2666 MT/s, 1.2V
- Start populate on blue slots first: A,B,C (3 DIMMs); A,B,D,E (4 DIMMs) and so on



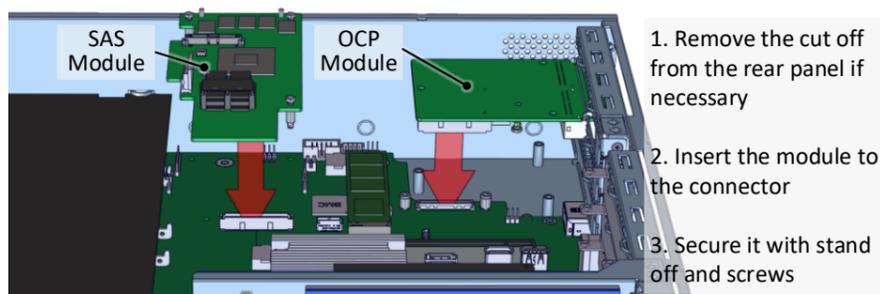
Riser Slot 1	Riser Slot 2	Riser Slot 3
Top Slot: CPU 1	Top Slot: CPU 2	Top Slot: CPU 2
Middle Slot: CPU 1	Middle Slot: CPU 2	Bottom Slot: CPU2
Bottom Slot: CPU2	Bottom Slot: CPU2	

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

The unit has two PCIe riser card assemblies. The left assembly holds five PCIe IO cards for CPU2, the right assembly is for three PCIe IO cards for CPU1. See below for installation:



To install SAS module or OCP module, removal of PCIe riser card is recommended. See below for instruction:



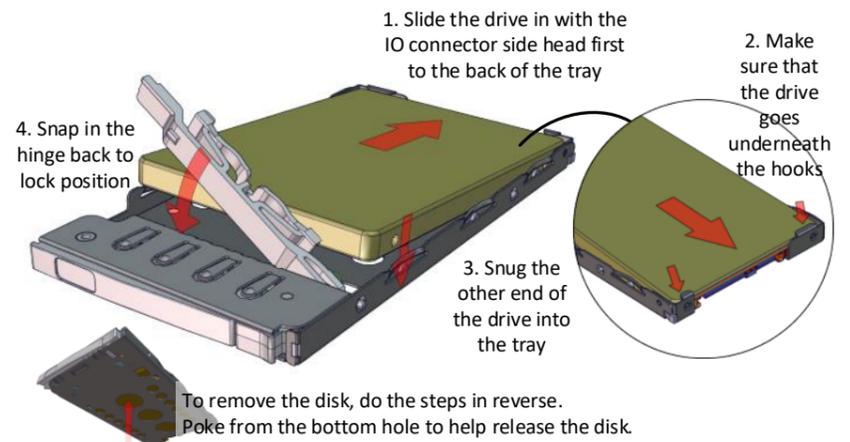
Below is the list of compatible SAS and OCP modules:

Compatible SAS Modules	Compatible OCP Modules
RMS3AC160, RMS3CC040, RMS3CC080, RMS3HC080, RMS3JC080, RMS3VC160, RMSP3AD160F, RMSP3CD080F, RMSP3HD080E, RMSP3JD160J	I357T4OCPG1P5, X527DA4OCPG1P5, X557T2OCPG1P5, X527DA2OCPG1P5

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

9. Remove drive trays from the enclosure (if no SSDs are installed already).

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

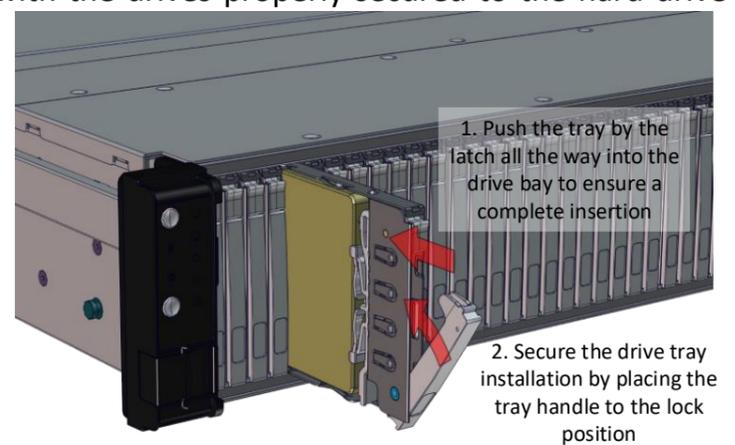


11. Place the unit to the rack. Refer to Rail Kit Installation Guide on how to mount the enclosure.

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



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



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



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



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

