

Western Digital OpenFlex Data24 NVMe-oF Storage Platform



Western Digital OpenFlex Data24 NVMe-oF Storage Platform User Guide

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Western Digital

Western Digital OpenFlex Data24 NVMe-oF Storage Platform



Specifications:

- Product Name: OpenFlex Data24 3200
- Weight: 29.7 kg (65.5 lbs)
- Power Requirement: Highline, 200V AC

Product Usage Instructions:

Installation:

1. Install the rails into the rack:
 1. Insert front pins of the rail into the front vertical rack rail.
 2. Compress the spring-loaded rail and insert rear pins into the rear vertical rack rail.
 3. Ensure rails are level both front-to-back and side-to-side.
2. Secure the rails:
 1. Use a T15 Torx screwdriver to install one M5 screw at the front and two M5 screws at the rear of each rail.

Bring-Up:

3. Install the enclosure into the rack:
 1. Lift the enclosure onto the rails and slide it into the rack.
 2. Secure the enclosure using captive screws on the rack ears.
4. Connect the management cables.
5. Connect the data cables.
6. Connect the power cables.
7. Verify the LEDs status as per the provided indications.
8. Determine the port IP addresses based on network configuration options.
9. Discover and connect to devices once powered up.

FAQ

Q: What is the weight of the OpenFlex Data24 3200 enclosure?

A: The enclosure weighs 29.7 kg (65.5 lbs).

Q: What power requirement does the OpenFlex Data24 3200 have?

A: The product requires Highline, 200V AC power supply.

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Welcome to the OpenFlex family.

This quick-start guide summarizes the following installation and initial bring-up activities for your OpenFlex Data24 3200:

Detailed instructions for these steps and more are available in our installation and user guides, available at [WesternDigital.com](https://www.western-digital.com/support).

For assistance with your Western Digital product, please contact our Datacenter Platforms technical support:

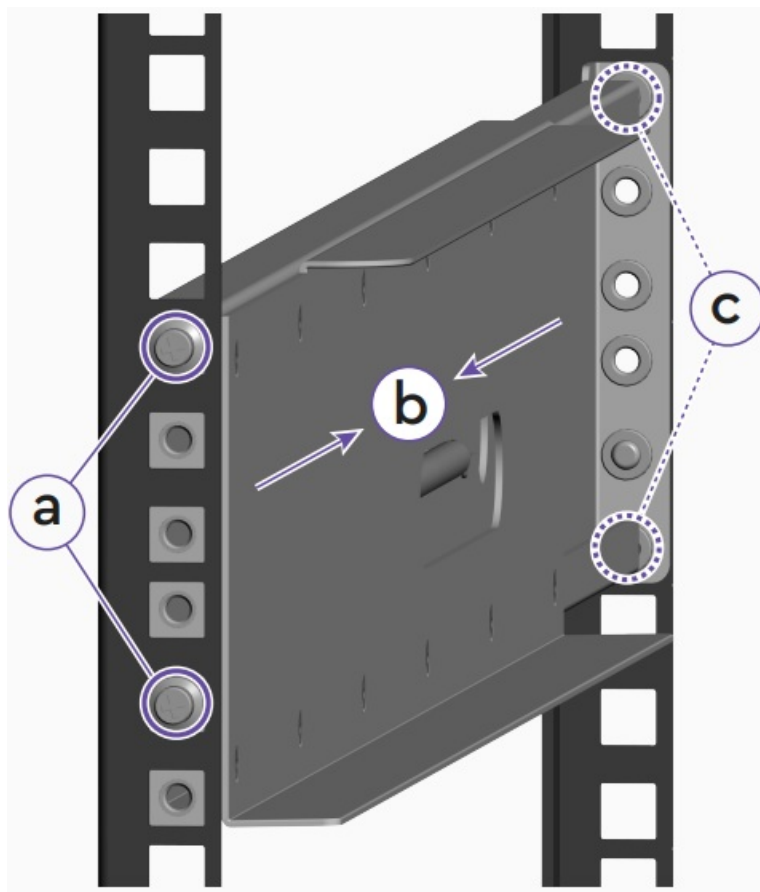
- Email: support@hgst.com
- Web: <https://portal.wdc.com/Support>

Installation

Install the rails into the rack.

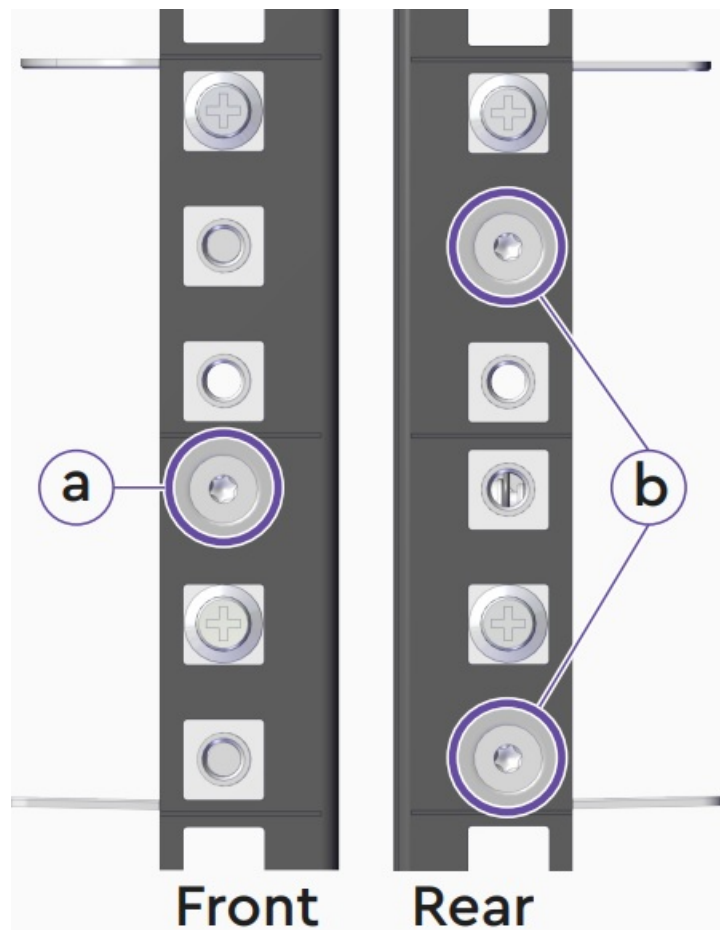
- a. Insert the front pins of the rail into the front vertical rack rail. Ensure that the correct rails are installed on the correct side.
- b. Compress the spring-loaded rail.
- c. Insert the rear pins into the rear vertical rack rail.
- d. Ensure that the rails are level from front-to-back and side-to-side.

Always install rack-mounted equipment in the lowest available U-height in order to keep the rack's center of gravity low and reduce the risk of tipping.



Secure the rails.

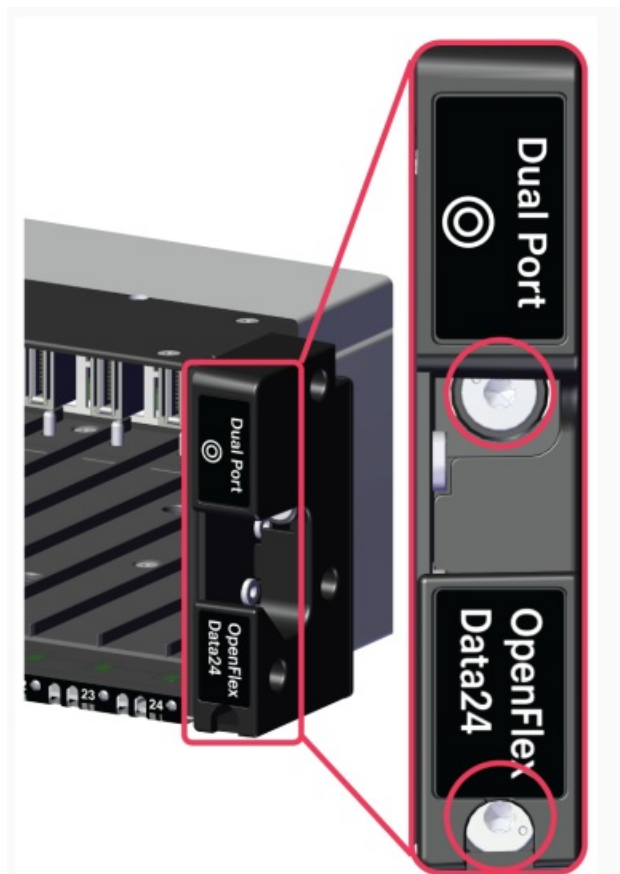
- a. Use a T15 Torx screwdriver to install one M5 screw (with washer) at the front of each rail.
- b. Install two M5 screws (with washers) at the rear of each rail.
- c. The rails are now secure and able to receive the enclosure



Install the enclosure into the rack.

- a. Using lift equipment, or the help of another person, lift the enclosure and set it on the rails.
- b. Slide the enclosure into the rack until the rack ears are touching the front vertical rack rails.
- c. Use the captive screws on the rack ears to secure the enclosure to the rack.

The enclosure weighs 29.7 kg (65.5 lbs). Either team-lift the platform, or use lift equipment when installing it into the rack.

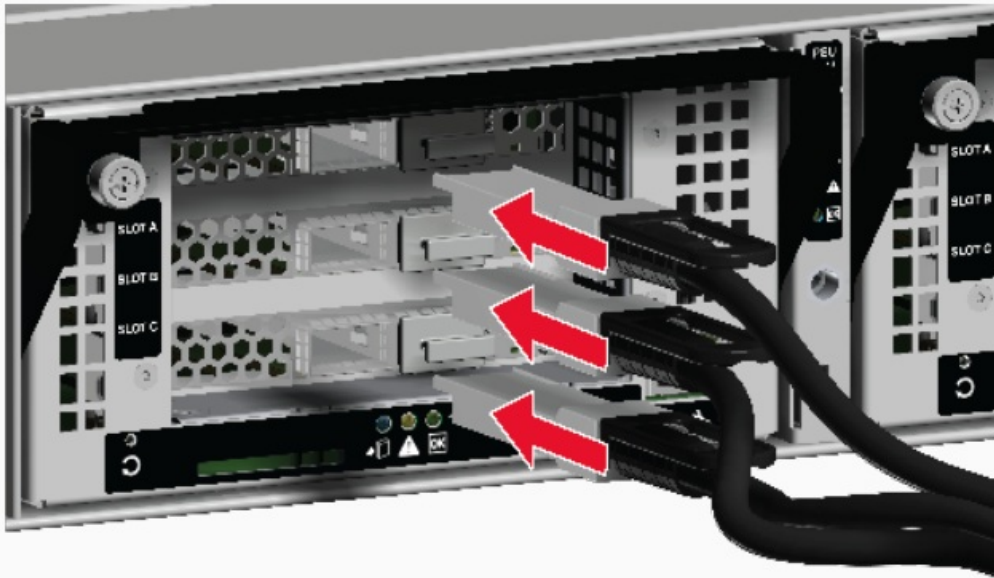


Cabling

Connect the management cables.



Connect the data cables.

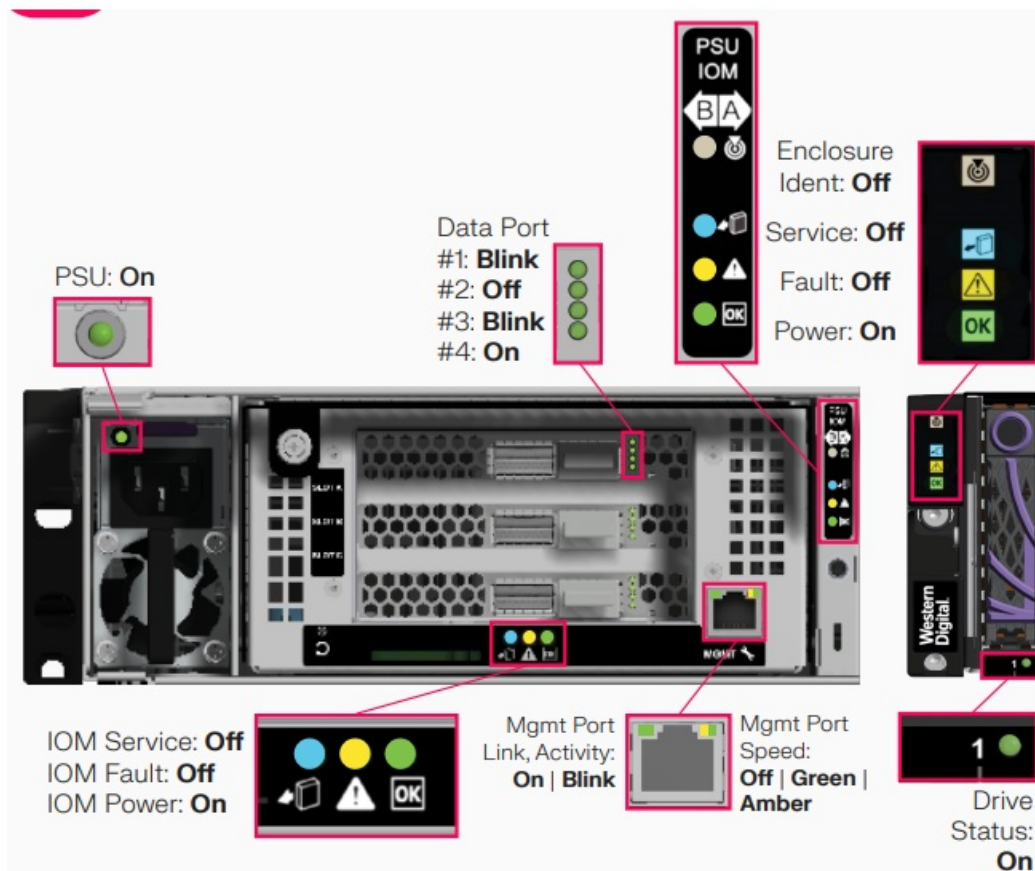


Connect the power cables.

The enclosure has two power supply connections; both power cords must be removed from the power supplies to completely remove power from the unit. Power should be Highline, 200V AC to both PSUs.

Bring-Up

Verify the LEDs



Determine the port IP addresses.

Primary Option

If the network has been configured with a DHCP server, the enclosure's RJ45 management ports and QSFP28

data ports will be assigned IP addresses using DHCP when the enclosure is initially connected to the network:

enclosure name>-iom<a|b> (IOM management ports)
<enclosure name>-iom<a|b>-aic<a|b|c> (IOM data ports)

The <enclosure name> is configured by the enclosure manager (EM) and will use the following naming convention:
openflex-data24-3200<serial number>

Secondary Option

If there is no DHCP server available on the network, the platform will fall back to static link-local addresses in the 169.254/16 IP range for the data and management ports. The host name will have the .local suffix added. Initial network configuration will require local access through the RJ45 management port to a direct-connect host or laptop. Do not use the 129.254.0.X subnet on the host as it will not route.

Discover and connect to devices

- a. Open a terminal and use the nvme-cli utility with the adapter's IPv4 address to discover all NVMe™ devices installed on the fabric: # sudo nvme discover -t rdma -a <ip_address> (IOM data ports)
 - b. Review the output to locate the subnqn associated with the device to be connected.
 - c. Connect to the device using its subnqn: # sudo nvme connect -t rdma -i 16 -a <ip_address> -n <subnqn>
 - d. Verify the connection: # sudo nvme list -v
-

Documents / Resources



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OpenFlex Data24 NVMe-oF Storage Platform, OpenFlex Data24, NVMe-oF Storage Platform,
Storage Platform, Platform

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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