OpenFlex™ Data24 4000 Series

Quick-Start Guide

D018-000731-000 | Rev. 01

Welcome to the OpenFlex family.

This quick-start guide summarizes the following installation and initial bring-up activities for your OpenFlex Data24 4000 Series Platform:

- Installation
- Cables & Drives
- Bring-Up

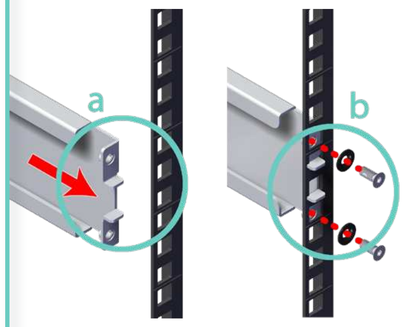
Detailed instructions for these steps and more are available in our installation and user guides, available at **WesternDigital.com.**

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

- **Email**: enterprisesupport@wdc.com
- **Web**: https://portal.wdc.com/Support

Western Digital.

1 Install the rear of the rail assembly.



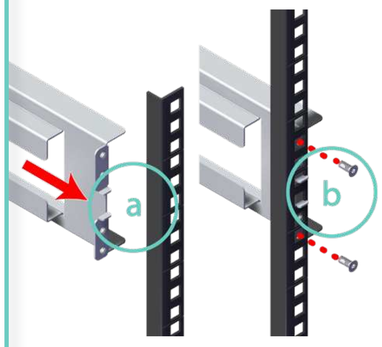
a. Insert the rear pins of the rail into the rear vertical rack rail. Rails are right/left specific; verify correct orientation.

b. Use a T15 Torx screwdriver to install the two washers and screws to secure the rear of the rail to the rear vertical rail mount.

c. Repeat steps a and b with the second rail.

⚠ 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.

2 Install the front of the rail assembly



a. Insert the front pins of the rail into the front vertical rack rail.

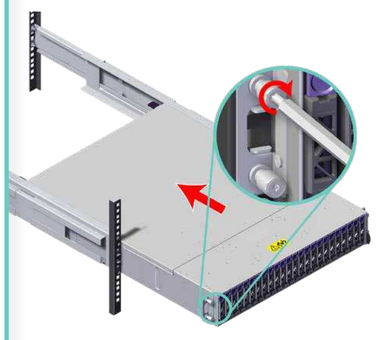
b. Use a T15 Torx screwdriver to install the two washers and screws through the top and bottom holes on the front vertical rail mount.

c. Repeat steps a and b with the second rail.

d. Verify the rails are level from front to back and from side to side.

⚠ The front vertical rails have four holes for the mounting the enclosure. Use holes 1 and 4 (top and bottom) for mounting the rails. Holes 2 and 3 are reserved for the captive screws on the enclosure's rack ears (step 3).

3 Install the enclosure into the rack.



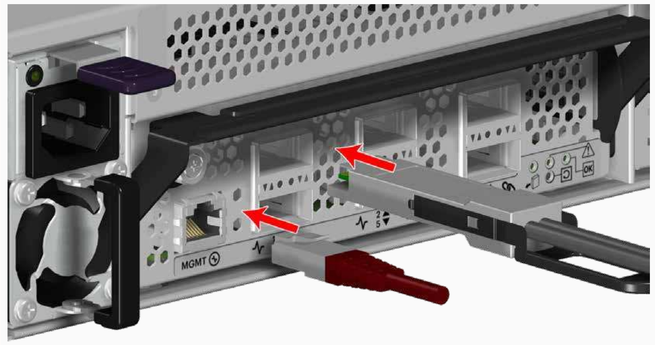
a. Using lift equipment or the help of another person, lift the enclosure and set it on the rails.

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 middle holes (2 and 3) on the front vertical rack rail.

⚠ The enclosure weighs 18.25 kg (40.2 lbs). Either team-lift the platform or use lift equipment when installing it into the rack.

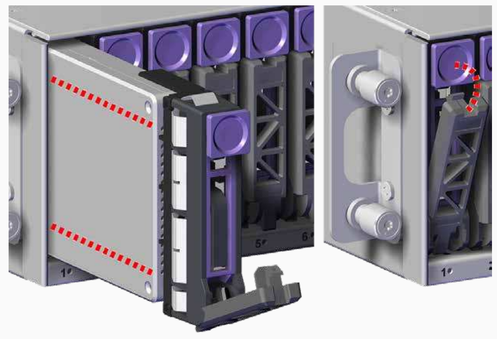
4 Connect management and data cables.



5 Connect the power cable.

⚠ The enclosure has two power supply connections; install both power cords. The power range for this enclosure is 100V - 240V AC.

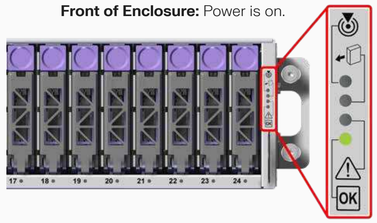
6 Install Drive Carrier Assemblies.



⚠ If you are not using Western Digital Drive Carrier Assemblies, refer to the Installation Guide section 1.5.1, "Drive Installation," for instructions to install an NVMe SSD onto a Drive Carrier.

7 Verify the LEDs.

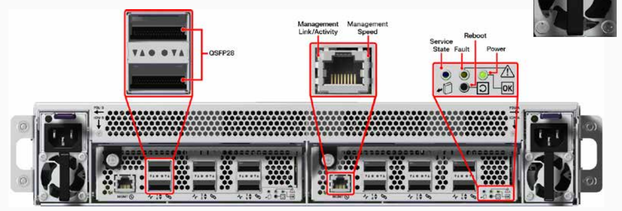
Front of Enclosure: Power is on.



⚠ Confirm that the PSU, Power, and IOM LEDs are green. In the event of an amber Drive Assembly LED, refer to the User Guide, section 1.2.1.

Rear of Enclosure: PSU LED

Rear of Enclosure: IOM LEDs



8 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 are assigned IP addresses using DHCP when the enclosure initially connects to the network:

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

The enclosure manager (EM) configures the **<enclosure name>** using the following naming convention:

- High availability: **ofdata24-42xx-<serial number>-iom<a|b>-mgmt**
- Non-high availability: **ofdata24-41xx-<serial number>-iom<a|b>-mgmt**

The enclosure serial number is found on the pull-out tabs on the front of the chassis.

Secondary Option

If no DHCP server is available on the network, the platform falls back to static link-local addresses in the 169.254.0.0/16 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.

9 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 of IOM data port>

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 of IOM data port> -n <subnqn>

d. Verify the connection:
 # sudo nvme list -v

⚠ Please refer to the User Guide for detailed information including TCP connection. Refer to section 4.1.3, "Discovering and Connecting to NVMe Devices Using the Open Composable API."