








XCubeFAS 3126D Quick Installation Guide

Thank you for purchasing QSAN XF3126D storage system.

1 BEFORE YOU BEGIN

Package Contents

A QSAN storage system includes:

System Chassis (x1)	Disk Drive Trays (x26 SFF ¹) for 3U 26-bay	Slide Rail Kit (x1)
 3U 26-bay		
AC Power Cords (x2)	RS-232 Console Cable (x2)	Screws Pack for Disk Drives
		

Optional Accessories

You can check the optional accessories on QSAN website :
<https://www.qsan.com>

Prepare System Information for Installation

- System name
- Admin password
- NTP server address
- Management IP address
- DNS server address

More Information

For additional hardware manual, software manual, or compatibility matrix which includes HDD, SSD, HBA, and switch requirements, please refer to the QSAN download center.

¹ SFF : Small Form Factor / 2.5" disk drive
XF3126D only supports QSAN SD4 SSD.

2 INSTALL SOLID-STATE DRIVES

Unlock the Tray

1. The standard position of the tray is locked to prevent damage during transport.
2. To unlock the tray: shift the release button lock from left to right.

Open the Carrier Handle of the Tray

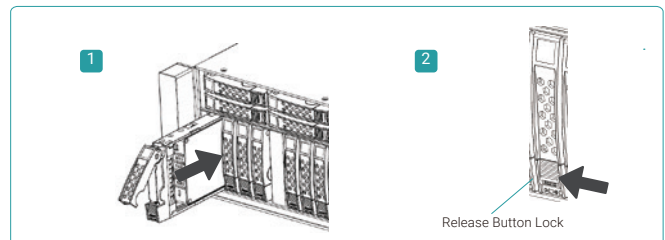
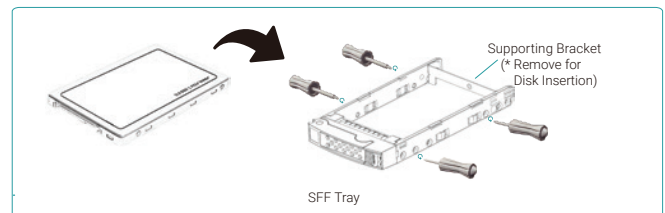
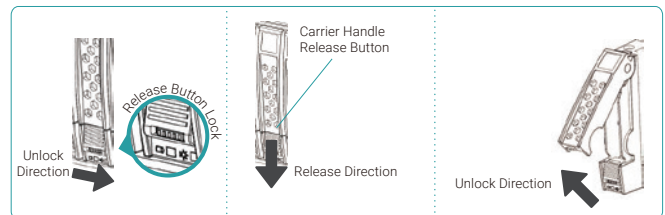
1. The procedure of opening the tray carrier handle: shift the carrier handle release button from up to down; then carrier handle will automatically pop out.

Install an SSD into the Tray

1. Place the tray onto a stable surface.
2. Remove the supporting bracket. Then align the SSD with the connector facing away from the carrier handle.
3. Align the four tray screw holes on both sides of the disk tray.
4. Install and tighten all four screws to secure SSD within the tray.

Install the Tray with the SSD into the System Chassis

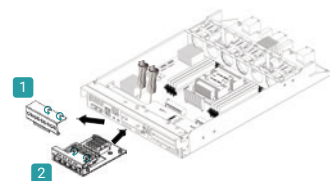
1. Users must open the carrier handle of the tray before installing it into the empty bay of the system chassis.
2. Align an SSD with the tray to the empty bay you would like to install, and push it all the way into the disk drive bay until the carrier handle can be closed.
3. Lock the release button lock by pushing the lock from right to left.
4. Refer to the label on the system chassis for the disk numbering. The disk numbering for system is printed on the chassis.



3 INSTALL THE OPTIONAL HOST CARDS

Please refer to the QSAN XF3126D hardware manual for detailed instructions.

1. Remove the dummy host card cage by loosening two screws of the dummy host card cage.
2. Align the host card to the slot to be installed and use two screws that loosening from dummy host card cage to fasten on the controller.
3. Repeat procedures above if there are other host cards need to be installed.



4 INSTALL THE RAIL KIT

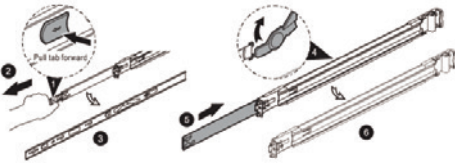
The rail kit is an accessory for XCubeFAS series product, Please follow the racking instructions below.



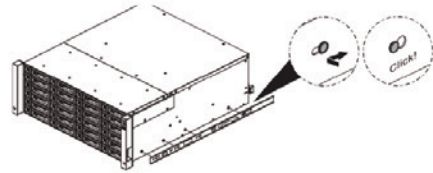
CAUTION:

The populated XCubeFAS system can be very heavy, to avoid any potential injury or harm to installers, or damage to the system, we strongly recommend at least two certified operators or engineers perform the system installation.

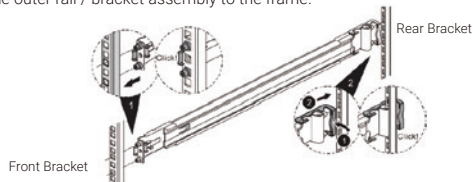
- 1 Pull the inner rail out and slide the intermediate member back.



- 2 Install the inner rail onto the chassis.



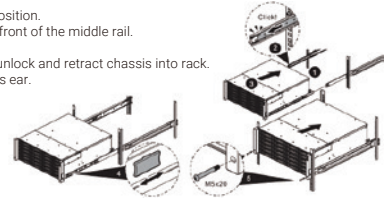
- 3 Install the outer rail / bracket assembly to the frame.



Note : Please repeat the installation steps for the other side.

- 4 Insert the chassis to complete the installation.

Step 1. Pull the middle rail fully extended in locked position.
Step 2. Ensure ball bearing retainer is located at the front of the middle rail.
Step 3. Insert chassis into middle-outer rail.
Step 4. When hit the stop, pull / push release tab to unlock and retract chassis into rack.
Step 5. Use M5 x 20mm screws to fasten the chassis ear.



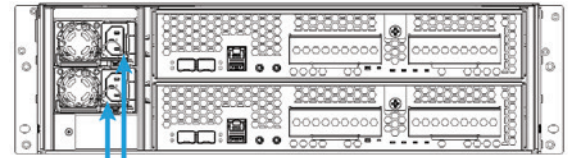
5 POWER ON THE STORAGE SYSTEM

Connect the Power Cables

1. Connect power cables from each power supply module to a power source.
2. Make sure to secure the power cables the power supply modules so they can not be pulled out accidentally.

Power on the System Components

1. Power on any network switches, routers, or other standalone components.
2. Power on any expansion enclosures that might be a part of the system.
3. Power on the XCubeFAS system by pressing the power button on the front of the system.



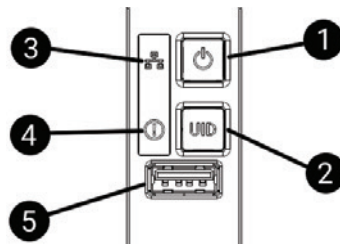
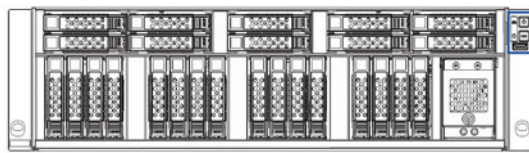
Power Cord Connectors



TIP:

Please wait for the controller status LED to turn green on the rear of the chassis before attempting to discover or manage the storage system. It may take a few minutes to boot the XCubeFAS system.

4. See the diagram below to determine the meaning of the lights and indicators on the front of the system.



1. Enclosure Power Button / LED
2. UID (Unique Identifier) Button / LED
3. Enclosure Access LED
4. Enclosure Status LED
5. USB Port

6 DISCOVER AND SETUP THE SYSTEM

Discover the System

The default setting for the management IP address is DHCP. We provide the XFinder Java utility to search for QSAN products on the network and aid quick access to the login page of the XEVO web interface.

XFinder Utility

To download XFinder, please visit: https://www.qsan.com/download_center

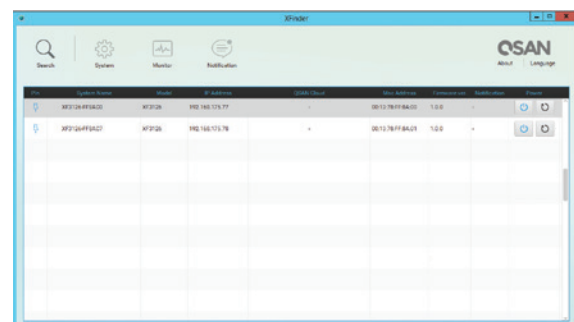
QFinder is a Java based program. To execute this program, JRE (Java Runtime Environment) is required. You can visit the following website to download and install JRE: <http://www.java.com/download>

After JRE is installed, run the XFinder.jar program. The storage system in your network will be detected and listed in the table. Select the system you are looking for. Double clicking the selected entry will automatically bring up the browser and display the login page.



TIP:

If the LAN doesn't have a DHCP server, the management port will be assigned a fix IP address: 169.254.1.234/16. So you can configure the IP address of your management computer to the same subnet domain of the storage system, e.g.: 169.254.1.1/16. Then open a browser and enter <http://169.254.1.234> to go into the login page.



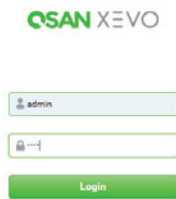
Initial Setup

The Initial configuration wizard will guide the first time user to initialize and setup the system quickly.

Step 1

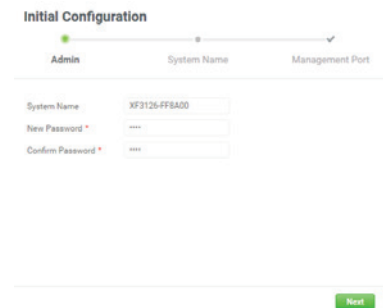
To access the XEVO web interface, you have to enter a username and password. The initial defaults for the administrator login are:

- Username: **admin**
- Password: **1234**



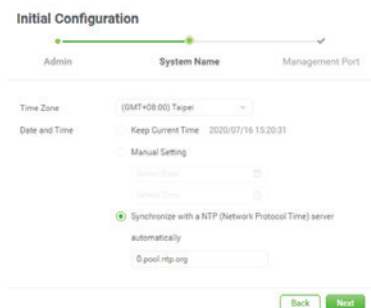
Step 2

- Enter a system name.
- Change the admin's password.



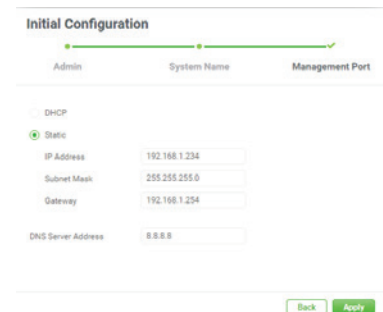
Step 3

- Select a Time Zone depending on your location.
- Set the local Date and Time. Date and time can be set by manually or synchronized with a NTP (Network Time Protocol) server.
- Click the **Next** button to proceed.



Step 4

- Confirm or change the management port IP address and DNS server.
- Click the **Apply** button to complete the initial configuration.



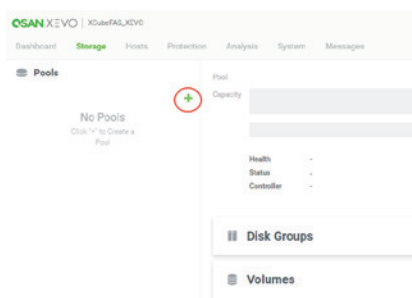
After all configurations are set up, the system will redirect your page to the new IP address you just set for the management port. Then you have to login with new admin password.

Storage Management

After initial setup, the next step is to configure the specific storage settings. To deploy your storage, you have to go to the Storage tab first.

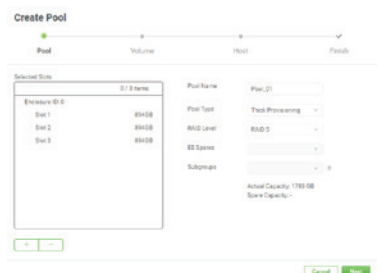
Step 1

- Click the "+" icon at the left-top of the Storage tab to pop up a Create Pool wizard.



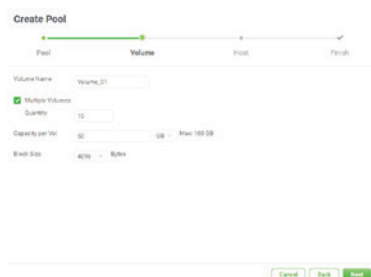
Step 2

- Click the "+" button to add disks. The system will suggest the default configurations depend on the amount of disks you have selected.
- Click the **Next** button to proceed.



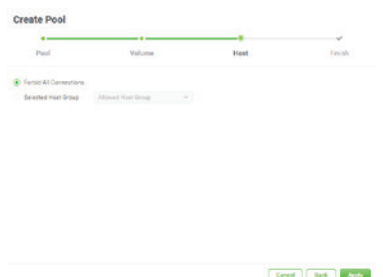
Step 3

- Adjust the capacity of the volume to be created and select its block size.
- Click the **Next** button to proceed.



Step 4

- Select a host group or leave the option **Forbid All Connections** and set it later.
- Click the **Next** button to proceed.



Step 5

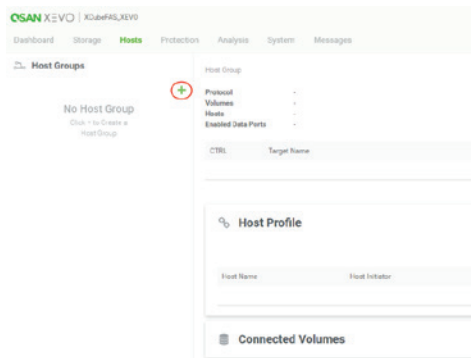
- Check the summary of all processes.
- Click the **Close** button to complete the wizard.

Host Configuration

After creating volumes at the Storage tab, you have to connect the volumes to hosts to complete the storage deployment.

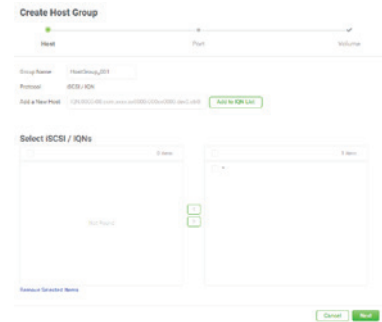
Step 1

- To complete the storage deployment, you have to create a host group in the Hosts tab.
- Click the **+** icon at the left-top of Hosts tab to pop up a Create Host Group wizard.



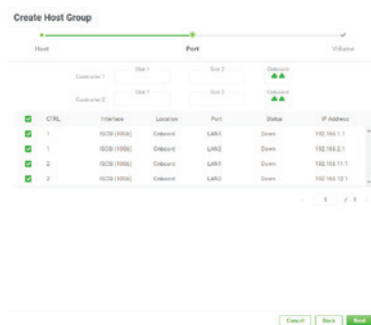
Step 2

- Select iSCSI / IQN or FC / WWN protocol.
- Input one or more host names which comes from your servers and click the **Add to IQN List** button to add them into the IQN list.
- Select the IQNs and click the **>** button to move the selected IQNs to the right side.
- Click the **Next** button to proceed.



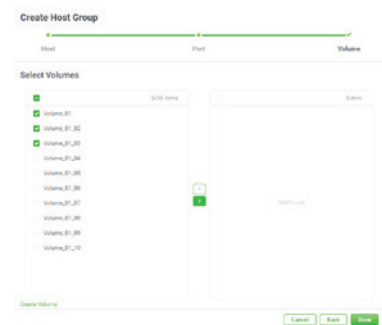
Step 3

- Select the data ports which are allowed to transmit.
- Click the **Next** button to proceed.



Step 4

- Select the volumes you want to deploy to your servers.
- Click the **>** button to move the selected volumes to the right side.
- Click the **Done** button to complete the storage deployment.



Now you can connect from the server to the storage system.

7 GETTING TECHNICAL SUPPORT

Please follow the troubleshooting tips in the XF3126D hardware manual or the XEVO software manual to diagnose and resolve common problems during initial setup and configuration. If you are still encountering trouble, please contact QSAN technical support for help using one of the options below.

- Via the Web: https://qsan.com/technical_support
- Via Telephone: +886-2-7720-6355 (Service hours : 09:30 - 18:00, Monday - Friday, UTC+8)
- Via Skype Chat, Skype ID : qsan.support (Service hours : 09:30 - 02:00, Monday - Friday, UTC+8, Summer time : 09:30 - 01:00)
- Via Email: support@qsan.com

