

## Introduction

CIP-5316-JBOD extension cabinet is a 16-bay JBOD storage expansion for CIP5000 series storage.

## Unpacking

The packing box contains the following items:

- CIP-5316-JBOD storage enclosure
- Two 1.83m (6 ft) power cords
- SFF-8644 external SAS cable
- DB9-to-RJ11 serial data cable
- Screws for disk drives
- Front panel bezel cover
- Quick installation guide
- (Optional) Sliding rail assembly for rack mounting

## Install in rack



### Caution!

To lighten the enclosure, remove all hard drive carriers. Replace the drive carriers after the unit is mounted in the rack.



### Caution!

At least two persons are required to safely lift the enclosure hardware. Lift the CIP-5316-JBOD itself. Do not lift the enclosure hardware by the handles.

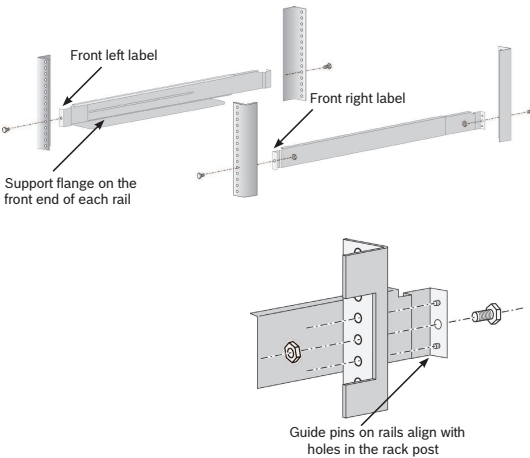


Fig. 1: Installing the rails onto the rack

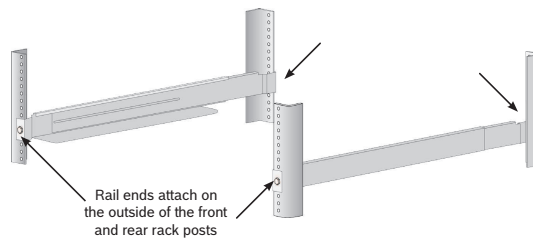


Fig. 2: Rail ends attach to the outside of each post

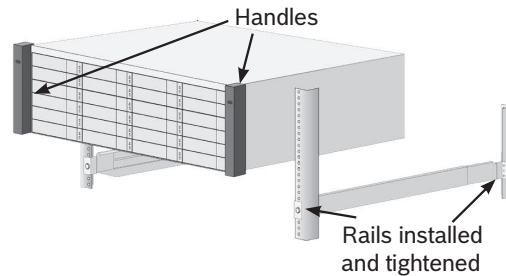


Fig. 3: Placing the enclosure hardware onto the rack rails

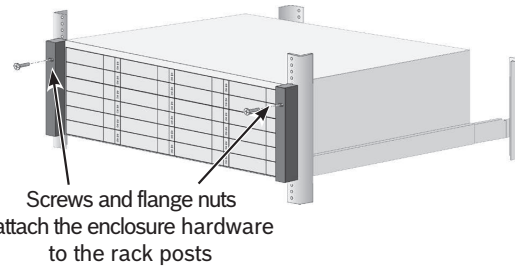


Fig. 4: Secure to rack

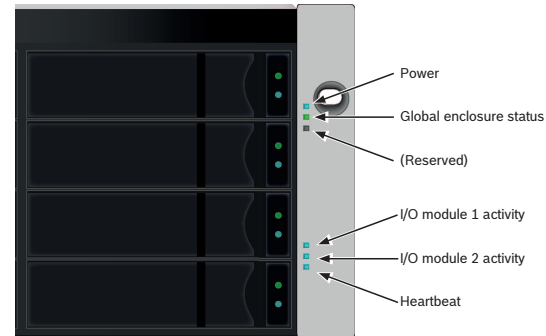
To install the enclosure hardware into a rack with the supplied rails:

1. Check the fit of the rails in your rack system.
2. Adjust the length of the rails as needed.
  - The rear half of the rail slides inside the front half. The rail halves are riveted together, so no adjustment screws are needed.
  - The front-left and front-right rail ends are labeled.
  - Be sure the front rail support is on the bottom facing inward.
  - All rail ends, front and rear, attach at the outside of the rack posts.
  - The guide pins at the rail ends align with the holes in the rack posts.
  - Use the attaching screws and flange nuts from your rack system. Tighten the screws and nuts according to instructions for your rack system.

3. Place the enclosure hardware onto the rails.
4. Secure the enclosure hardware to the rack.
  - The unit attaches to the rack posts using the included screws and flange nuts.
  - One screw each side, in the upper hole only.

## LEDs on front

### Front LED on right handle



LED	Description
Power	Off - System power off Blue - System power on
Global enclosure status	Off - System power off Green - OK/Healthy Orange - Malfunction Red - Critical
I/O module 1 activity	Off - No I/O Blue steady - No I/O and SAS expansion port is linked Blue flash - I/O running
I/O module 2 activity	Off - No I/O Blue steady - No I/O and SAS expansion port is linked Blue flash - I/O running
Heartbeat	Off - System power off Blue flash - IOM FW works. (Dual IOM flashes every 2 seconds, single IOM flashes every 4 seconds)

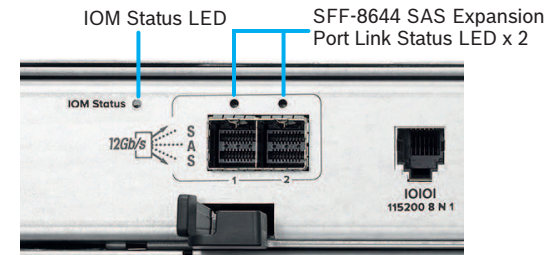
### Drive carrier LEDs



LED	Description
Disk status	Off - Drive is not configured Green steady - Drive is configured Green flash - Locator feature Orange - Drive is rebuilding Red - Drive error or failure
Power/Activity	Off - No drive present Blue steady - Drive present Blue flash - Activity on drive

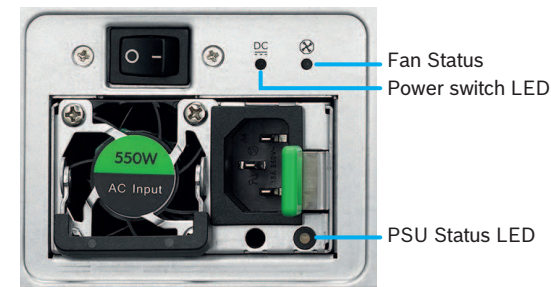
## LEDs on back

### Controller LEDs



LED	Description
IOM status LED	Off - Not activated Green - Ready Red - FW is not ready.
SFF-8644 SAS Expansion Port Link status LED	Off - Link down Green steady - Link up Green flash - Activity

### Power supply LEDs



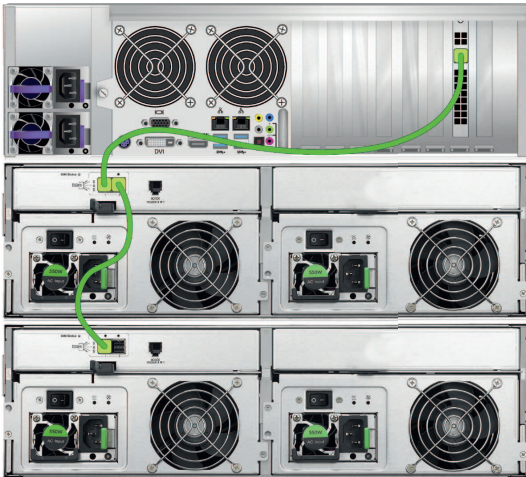
LED	Description
PSU Status	Off - Not detected Green steady - Normal Green flash - Power off and in standby mode Red - Failed
Power switch	Off - Not detected Green steady - Normal Red - Failed
Fan status	Off - Not detected Green steady - Normal Red - Failed

### JBOD expansion setup

JBOD expansion requires one SFF-8644 to SFF-8644 external SAS cable for each JBOD unit. The CIP-5316-JBOD is intended for use with the CIP-5316W-00N and CIP-5424W-00N models. Up to 5 CIP-5316-JBOD can be used with CIP-5316W-00N or CIP-5424W-00N.

For JBOD storage expansion, use SFF-8644 external SAS cables to perform these tasks.

#### Single Controller Expansion



1. Connect the SFF-8644 SAS port in the host CIP-5316W-00N or CIP-5424W-00N system to SAS Port 1 on the uppermost CIP-5316-JBOD unit in the rack.
2. Connect SAS Port 2 on the same CIP-5316-JBOD to the SAS Port 1 on the next CIP-5316-JBOD in the stack.
3. Connect the remaining CIP-5316-JBOD enclosures in the same manner.

### Connecting the power

Insert the female end of one of the supplied power cables in to a power cable receptacle on each of the power supply units, and plug the other end into a suitable power outlet. There are two power supplies on each CIP-5316-JBOD.



#### Notice!

Always power on the JBOD enclosure hardware first.

### Disposal

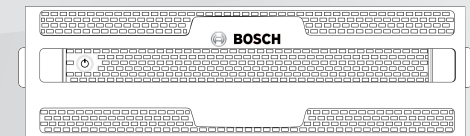
#### Electrical and electronic waste



This product and/or battery must be discarded separately from household waste. Discard this product according to local laws and regulations, to allow its reuse and/or recycling. This will help in conserving resources, and in protecting human health and the environment.



## Storage JBOD, 3U, 16-Bay, W/O HDD CIP-5316-JBOD



en Quick installation guide

#### Bosch Security Systems B.V.

Torenallee 49  
5617 BA Eindhoven  
The Netherlands

[www.boschsecurity.com](http://www.boschsecurity.com)

© Bosch Security Systems B.V., 2019