

**WARNING!**

- Only qualified service personnel should install and service this product to avoid injury.
- Observe all ESD procedures during installation to avoid damaging the equipment.

**NOTE:**

- All pictures shown are for illustration purposes only and may not be an exact representation of the product.
- Scan the QR code on the product to access its documentation and technical support.

**1 Before you start**

Unpack the product and make sure that the following items are available before installation.

**1.1 User-provided tools**

- Phillips screwdriver (medium size)
- Flat blade screwdriver (small size)
- Anti-static wrist wrap
- RJ-45 LAN cable
- Host link cable

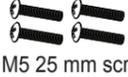
**1.2 Accessory box contents**

- Screws for mounting the enclosure
- Screws for securing drives
- 2 x Power cords
- 1 x RS-232C serial cable

**NOTE:** Refer to the **Unpacking List** for all of the items included in the package.

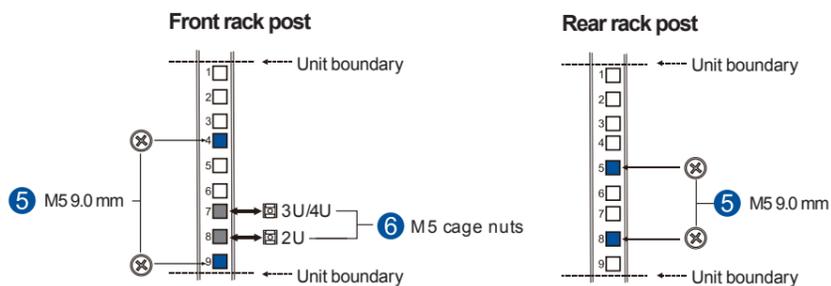
**2 Installing the rackmount**

**2.1 Checking the slide rail kit contents**

|  |  |  |
|--|--|--|
| <b>1</b>     | <b>4</b>    | <b>7</b>    |
| 1 x Mounting bracket assembly, left side   | 6 x No. 6-32 L4 flathead screws  | 4 x M5 25 mm screws  |
| <b>2</b>   | <b>5</b>  | <b>8</b>  |
| 1 x Mounting bracket assembly, right side  | 8 x M5 9.0 mm truss head screws  | 4 x M6 25 mm screws  |
| <b>3</b>  | <b>6</b>  | <b>9</b>  |
| 2 x Inner glides   | 4 x M5 cage nuts   | 4 x No. 10-32 25.4 mm screws   |

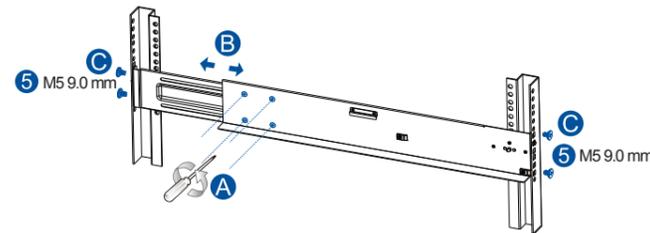
**2.2 Assembling the slide rail kit**

- Determine the position where to install the enclosure to the front and rear rack posts, and then insert the cage nuts into the designated holes of the front rack posts.

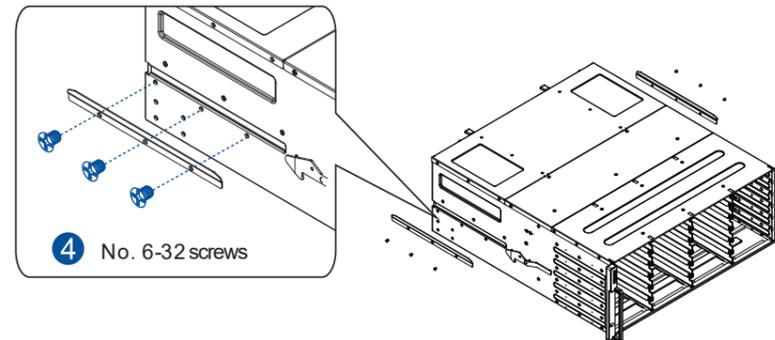


**NOTE:** If the rack does not require M5 cage nuts and has its own screw threads, use the M6 or no. 10-32 screws on the front posts.

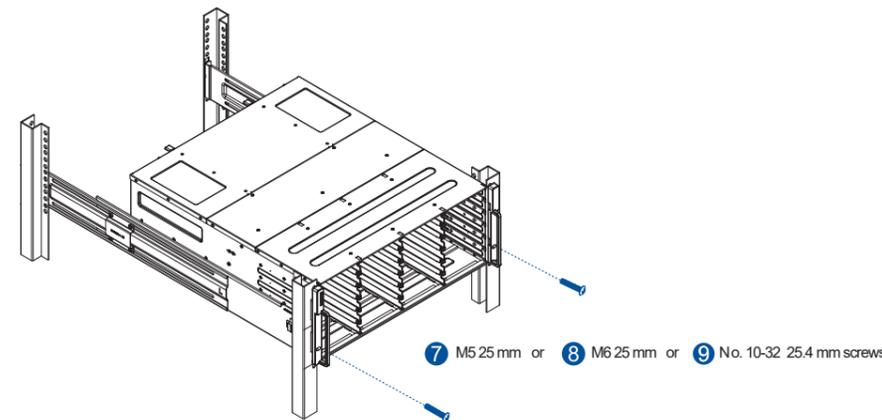
- Loosen the four screws on the slide rail (A), adjust its length (B), and then secure the slide rail to the front and rear rack posts with the M5 9.0 mm screws (C). Tighten the four screws on the slide rail to fix the length.



- Attach the inner glides to both sides of the enclosure with the no. 6-32 flathead screws.



- With the assistance of another person, lift and insert the enclosure onto the slide rails. Ensure that the inner glides on both sides of the enclosure meet the inner glide rails. Secure the enclosure with two M5, M6, or no. 10-32 screws at the front.

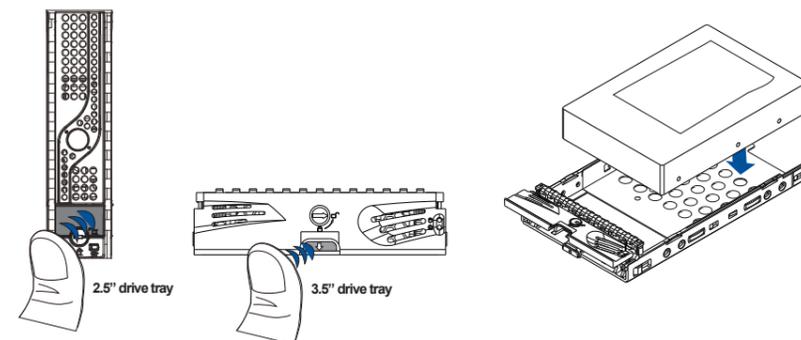


**3 Installing drives**

**IMPORTANT!**

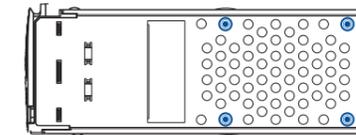
- Ensure to install the enclosure to the rack first before installing drives into the enclosure.
- SATA drives are NOT supported on dual-controller models.
- Refer to the **Compatibility Guide (QVL)** on Infortrend's website for supported drives.

- Press the release button of the drive tray to open the tray bezel.
- Place a drive into the drive tray with the interface connectors facing the open side of the tray and the drive label facing up.

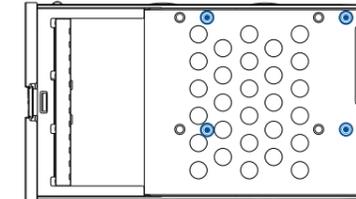


- Secure the drive to the correct holes of the tray with four of the screws provided.

**2.5" drive screw holes**



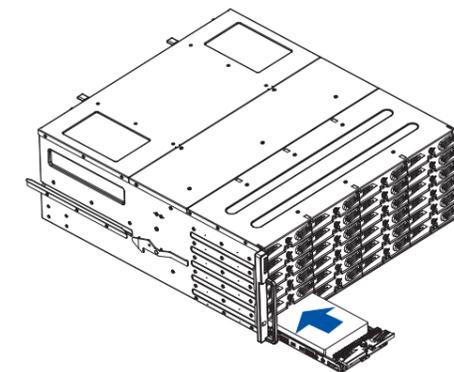
**2.5" drive screw holes on a 3.5" drive tray**



**3.5" drive screw holes**

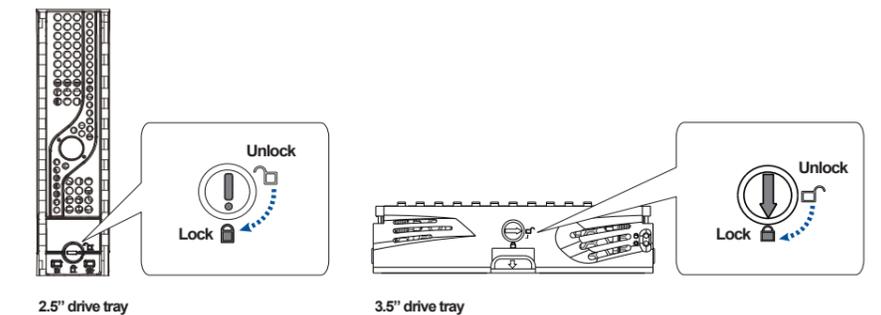


- With the tray bezel open, insert the assembled drive and drive tray into the enclosure.



**WARNING!** Ensure that every drive slot is occupied with a drive tray even if no drive is installed. Without the drive trays, the ventilation is compromised, which may cause overheating.

- Once fully inserted, close the front bezel of the drive tray, and then use a small flat blade screwdriver to turn the bezel lock from unlock to the lock position.



**4 Installing host boards (optional)**

Host boards are add-on components. To install a host board, refer to the **Hardware Manual** on Infortrend's website.

**IMPORTANT:**

- For dual-controller systems, identical host board combinations must be used, in the same order, on both controllers.
- Refer to the **Host Board and Memory Guide** (available on Infortrend's website) for supported host board types.

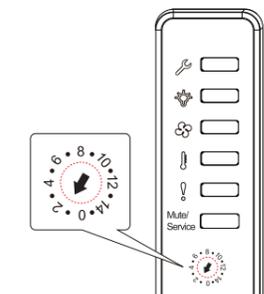
**5 JBOD connections (optional)**

**5.1 Setting up JBOD expansions**

- Locate the rotary ID switch on the JBOD's front panel.
- Use a small flat blade screwdriver to set a unique ID on the JBOD expansion system.

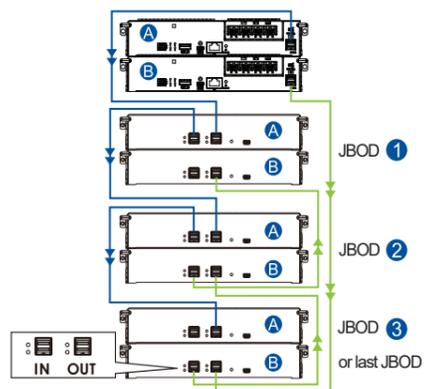
**IMPORTANT!**

- The storage system is assigned with ID 0 by default.
- When setting an ID on the JBOD system, you must start from 1.
- Refer to the **Expansion Enclosure Guide** on Infortrend's website for more information.



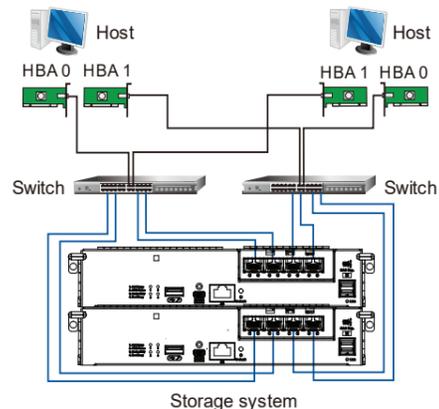
## 5.2 Connecting JBOD expansions

The drawing below illustrates connections between the storage system and JBOD expansions.



## 6 Making host connections

See the diagram below for the recommended connections between the storage system, switches, and hosts. For more information, refer to the **Hardware Manual** on Infortrend's website.

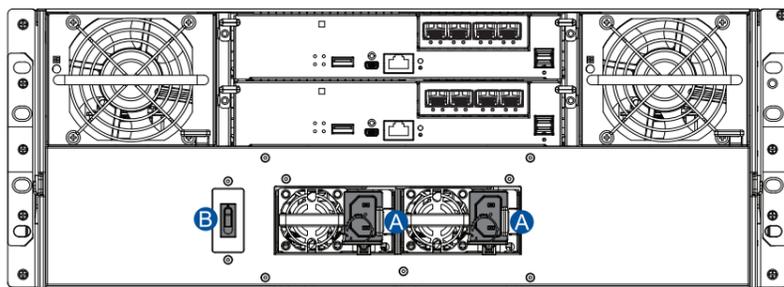
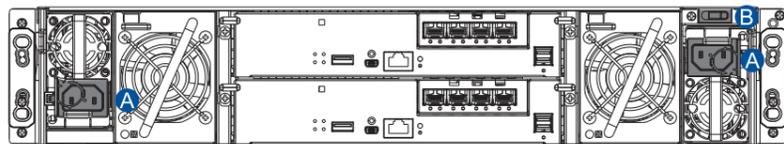
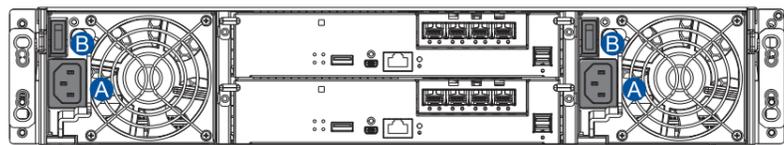


**NOTE:** Host link cables are not included in the package.

## 7 Power up

### 7.1 Powering up the system

1. Connect the included power cords to both power sockets of the storage system (A).
2. Turn on the networking devices.
3. Turn on the JBOD expansion systems (if applicable).
4. Turn on the storage system (B). Depending on your model type, press the power switches on both PSUs, from left to right, or press the power switch located next to one of the PSUs.
5. Turn on the application servers.

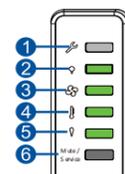


## 7.2 Checking system status LEDs

After turning on the storage system, wait for about 4 minutes. Then observe the LEDs located at the front and rear panels of the enclosure. If the LEDs show any status different from what is described below, or if you hear an audible alarm, contact the customer support.

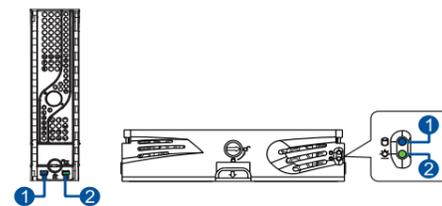
### Front panel LEDs

| Item Name             | Status |
|-----------------------|--------|
| 1 Service             | Off    |
| 2 Power               | Green  |
| 3 Cooling fan         | Green  |
| 4 Temperature         | Green  |
| 5 System fault        | Green  |
| 6 Mute/Service button |        |



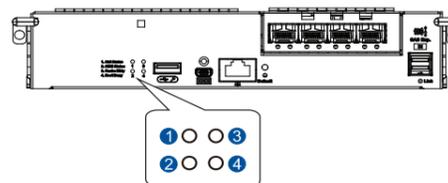
### Drive tray LEDs

| Item Name      | Status        | Description    |
|----------------|---------------|----------------|
| 1 Drive busy   | Blinking blue | R/W activity   |
|                | Blue          | Drive detected |
|                | Off           | No activity    |
| 2 Power status | Green         | On             |
|                | Red           | Failed         |



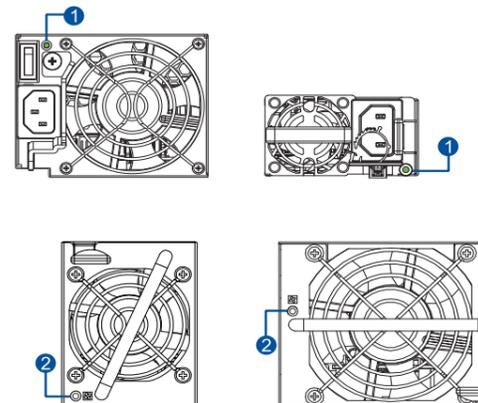
### Controller LEDs

| Item Name     | Status               |
|---------------|----------------------|
| 1 Ctrl status | Green                |
| 2 CBM status  | Green                |
| 3 Cache dirty | Off                  |
| 4 Host busy   | Blinking green / Off |



### PSU & fan module LEDs

| Item Name    | Status |
|--------------|--------|
| 1 PSU        | Green  |
| 2 Fan module | Off    |

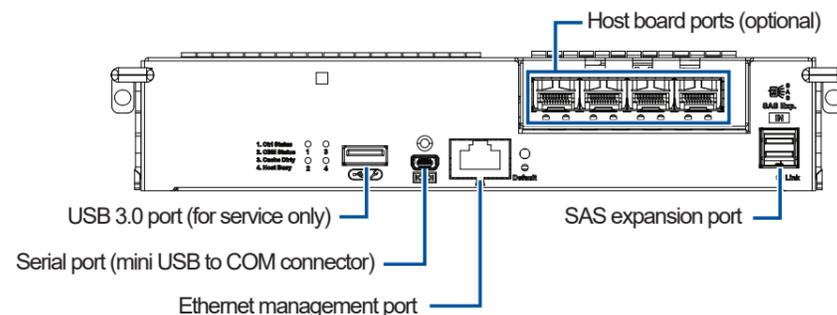


### NOTE:

- Check the power status LED on the front panel for the main power status of the system.
- The fan module is present on selected models only.

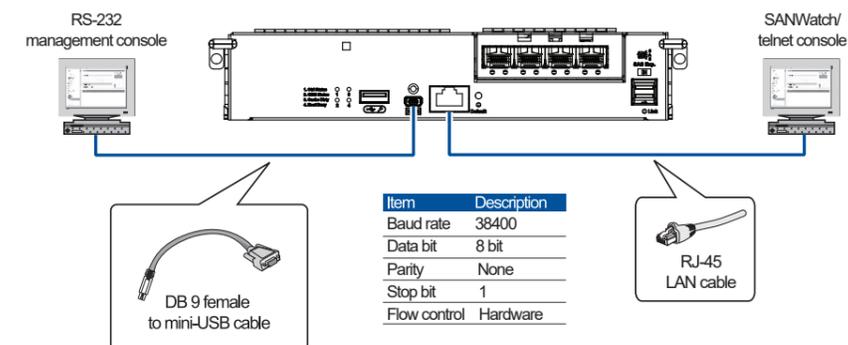
## 8 Connecting to interfaces

### 8.1 Interface overview



You can manage and monitor the storage system via the following interfaces:

- **Ethernet management port (out-of-band connection)**  
Access the storage system from a remotely connected computer using Ethernet cables. You must obtain the IP address, either a static IP address or DHCP, from your network administrator. If neither is available, use the default address <10.10.1.1>.
- **Onboard host ports & host board ports (in-band connection)**  
Access the storage system from the host servers through the host links.
- **Serial port**  
Access the storage system directly from a computer via the RS-232C serial port.



## 8.2 Using management tools

Control the storage system using the SANWatch GUI software (via the Ethernet management port or host PC interface) or the firmware menu (via RS-232C serial port).

### Using SANWatch:

1. Connect the storage system to a remote computer via the Ethernet port or to a host PC.
2. Install the SANWatch software suite. To download it, go to Infortrend's website > **Support** > **Technical Support**, find your model, and then go to **Downloads**.
3. Launch SANWatch and enter the default password **root** to log in.



### Using firmware menu:

1. Connect your computer to the storage system via the RS-232C serial port.
2. Launch VT-100 terminal emulation software on your PC.
3. Configure the serial port as shown above in **8.1 Interface overview** to connect the system. The main firmware menu appears.
4. Use the arrow keys to select from the menu.

**NOTE:** More tools and technical documentations are available on Infortrend's website (<https://www.infortrend.com>). Go to **Support** > **Technical Support**, find your model, and then go to **Downloads**.