

DataPort 1U Enclosure with Removable Drive Carriers



Package Contents

- 1 - DataPort 1U Enclosure
- 2 - Carrier & Frame Assemblies
- 2 - Key Sets
- 4 - Screw Kits
- 1 - Power Cable

The DataPort 1U Enclosure with Removable Drive Carriers supports up to 4 SATA hard drives. The DataPort 1U Enclosure with Removable Drive Carriers uses a SFF-8470 (InfiniBand) connector. It requires a multi-lane cable with the SFF-8470 connector for the enclosure.

NOTE: The DataPort 1U Enclosure with Removable Drive Carriers does not include the required external enclosure to host cable.

The DataPort 1U Enclosure with Removable Drive Carriers supports two different multi-lane cables, the SFF-8470 (InfiniBand) to SFF-8470 (InfiniBand) cable (CRU Part Number 7366-700-03); or the SFF-8470 (InfiniBand) to SFF-8088 (Mini-SAS) cable (CRU part number 7366-701-01). Consult your host bus adapter manual to determine which interface (connector) it supports.

For host support CRU offers a cable assembly kit. The 4x SATA to SFF-8470 (InfiniBand) PCI host adapter with (4) SATA data cables and SFF-8470 (InfiniBand) to SFF-8470 (InfiniBand) external cable (CRU part number 7100-800-10) will provide the end to end cabling required to set up the DataPort 1U Enclosure with Removable Drive Carriers.

These cables are available through CRU's authorized resellers or directly from CRU at www.cru-dataportstore.com.

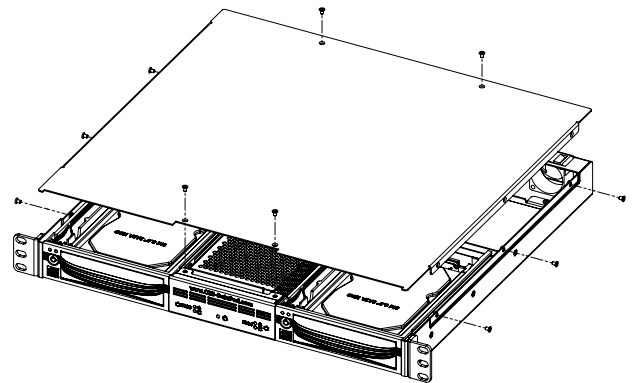


Figure 1: Removing the Cover

Installing a Hard Drive in the Enclosure

1. Disconnect the power and remove the DataPort 1U from any rack mounting.
2. Remove the ten cover screws securing the DataPort 1U Enclosure cover. See figure 1.
3. Remove the drive tray screw securing the drive tray in the 1U Enclosure.

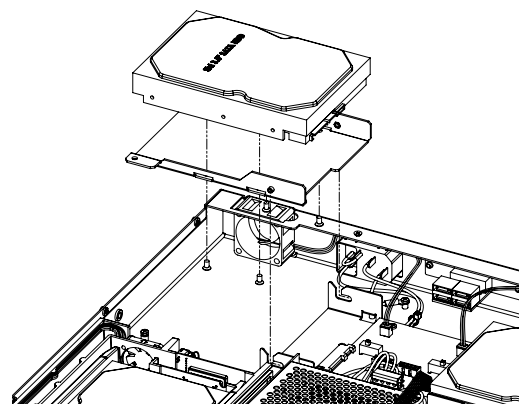


Figure 2: Hard Drive Installation

4. Install the hard drive on the drive tray and secure it with the provided screws. See figure 2.
5. To enable the drive activity LEDs and fan failure support change the corresponding drive switch to the “drive present” position. See figure 3.

NOTE: For proper fan failure support the fan failure switch must be properly set to either “Drive Present” or “Drive Absent”.

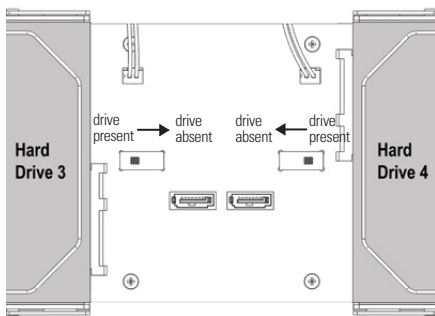


Figure 3: Hard Drive Enable Switches

6. Reinstall the drive tray in the 1U Enclosure and secure it with the drive tray screw.
7. Reinstall the DataPort 1U cover and secure it with the cover screws.

Note: The hard drives mounted internally in the DataPort 1U Enclosure are not hot swappable.

Installing a Hard Drive in the Carrier

1. Remove the drive cover from the carrier.
2. Carefully insert the drive into the carrier. Slide the drive towards the Drive Carrier Board, so that the I/O connector on the drive mates with the connector on the Drive Carrier Board. Hold the drive in place and turn the drive/carrier assembly over.
3. Fasten the drive into place with four (4) provided screws. Some drives may require minor adjustment before securing into carrier with screws.
4. Install the drive cover and secure with two (2) provided screws.

Enclosure Setup Instructions

WARNING: The DataPort 1U Enclosure requires slide rails or other support system to be rack mounted. The front mounting brackets will not allow the DataPort 1U Enclosure to be rack mounted without additional support.

1. Power off the host computer and disconnect the power cord.
2. Install the internal drives in the DataPort 1U Enclosure. See Installing a Hard Drive in the Enclosure section for more details.
3. Install hard drives in the removable carriers. See Installing a Hard Drive in the Carrier section for more details.
4. Insert the removable carriers into the enclosure and engage the lock on the receive frames.

NOTE: The lock on the Removable Drive Carriers receiving frame functions as a lock and a DC power switch for the carrier unit. The lock **MUST** be engaged (turned counterclockwise) in order to supply power to the carrier and installed drive unit.

5. Connect the host computer to the DataPort 1U Enclosure with Removable Drive Carriers with an external multi-lane cable (not provided).
6. Power on the DataPort 1U Enclosure with the power button located on the rear of the enclosure. For best results power on the enclosure prior to powering on the host system.

NOTE: The DataPort 1U Enclosure with Removable Drive Carriers enclosure supports hot swapping of the hard drives in the Removable Drive Carriers, provided the host bus adapter also supports that feature. When hot swapping drives, ensure drive activity has stopped before powering down the Removable Drive Carriers.



Operation

Activity LED

The yellow activity LEDs flash during drive activity.

Power LED

When the enclosure power is on, the green power LEDs will be on. If internal drives are installed and the fan failure switch is set to drive present, Disk 3 and Disk 4 green power LEDs will be on. If no internal drives are present and the fan failure switch is set to drive absent, then Disk 3 and Disk 4 power LEDs will be off. In the case of fan failure the green LED for that fan will flash.

Rack Mounting Instructions

- **Elevated Operating Ambient:** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
- **Reduced Air Flow:** Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- **Mechanical Loading:** Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- **Circuit Overloading:** Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Reliable Earthing:** Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Limited Product Warranty

CRU-DataPort (CRU) warrants the DataPort 1U Enclosure with Removable Drive Carriers to be free of significant defects in material and workmanship for a period of one year from the original date of purchase. CRU's warranty is nontransferable and is limited to the original purchaser.

Limitation of Liability

The warranties set forth in this agreement replace all other warranties. CRU expressly disclaims all other warranties, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose and non-infringement of third-party rights with respect to the documentation and hardware. No CRU dealer, agent or employee is authorized to make any modification, extension, or addition to this warranty. In no event will CRU or its suppliers be liable for any costs of procurement of substitute products or services, lost profits, loss of information or data, computer malfunction, or any other special, indirect, consequential, or incidental damages arising in any way out of the sale of, use of, or inability to use any CRU product or service, even if CRU has been advised of the possibility of such damages. In no case shall CRU's liability exceed the actual money paid for the products at issue. CRU reserves the right to make modifications and additions to this product without notice or taking on additional liability.

FCC Certification

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received; including interference that may cause undesired operation.

Register your product at www.CRU-DataPort.com.

A5-001-0003 Rev. 2.0