

DataPort Multi-Lane DataPAK



1U Rack mount enclosure with DualPAK™ removable dual drive carriers. Ideal for disk-to-disk backup where users can “pull” a backup at anytime. Rugged Sheet Metal Design and Shock-mounted DualPAK multi-disk removable drive carriers for drive protection during operation, removal, transporting and storage. Available in Quad RAID (eSATA, USB 2.0, FireWire 800/400) or Multilane Point-to-Point SAS/SATA JBOD.

Package Contents

Enclosure accessories:

- 1 - 1.8M external power cord
- 6 - M5x.6x8 PHMS Phillips black

DataPAK carrier accessories:

- 3 - DataExpress Keyset
- 4 - 6-32 x .250 FHMS Phillips
- 8 - 6-32 shoulder screws with anti-shock grommets

Hard Drive Installation

Remove the DataPAK carriers from the enclosure to install hard drives. Review and follow the instructions to install hard drives in the DataPAK carriers.

1. Remove the 4 cover screws and slide the carrier cover of the DataPAK carrier to open.
2. Add the shoulder screws with anti-shock grommets to the hard drives.
3. Remove the foam from the drive connectors.
4. Connect the hard drives and secure via bottom mount screws.
5. Install the hard drive in the carrier so the shoulder grommets align with the mounting slots. Press the drive firmly in place.
6. Slide the cover on the carrier to close and secure it with the 4 cover screws.

Enclosure Setup Instructions

WARNING: The DataPort 1U Enclosure requires slide rails or another 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 carrier.
5. Connect the host computer to the DataPAK 1U Multi-Lane Enclosure with an external multi-lane cable (not provided).
6. Power on the DataPort 1U Enclosure with the power button located on the back of the enclosure. For best results power on the enclosure prior to powering on the host system.

NOTE: The DataPAK 1U Multi-Lane Enclosure supports hot swapping 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. The DataPAK will remove 2 drives from the array when the carrier is removed, this will cause some RAIDs to fail and could require a system reboot to restore functionality.



Operation

The DataPAK 1U Multi-Lane Enclosure supports up to 4 SATA hard drives and uses the SFF-8470 (InfiniBand) connector. It requires a multi-lane cable with the SFF-8470 connector for the enclosure.

NOTE: The DataPAK 1U Multi-Lane Enclosure does not include the required enclosure to host cable.

The DataPAK 1U Multi-Lane Enclosure supports two different multi-lane cables, the SFF-8470 (InfiniBand) to SFF-8470 (InfiniBand) cable (CRU Part Number 7366-700-03); and 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 DataPAK 1U Multi-Lane Enclosure.

These cables are available through CRU's authorized resellers.

Enclosure LEDs

Power LED

The green power LED will illuminate when the enclosure power is on.

Fan Failure LEDs

Red LEDs will flash in the event of fan failure.

Carrier LEDs

Power LED

The green power LED will light up when the carrier is properly installed in the chassis.

Activity LED

The upper amber activity LED will display the drive activity of the front drive in carrier. The actual functionality of the LED is set by the hard drive. Please see your hard drive manual for details.

The lower amber activity LED will display the drive activity of the back drive in carrier. The actual functionality of the LED is set by the hard drive. Please see your hard drive manual for details.

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 DataPAK 1U enclosure 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.

IT Power Systems

This enclosure is intended for use on a TN power system. This enclosure was evaluated for use on an IT power system in accordance with Norway National Differences to IEC60950-1.

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

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