Product name/code	RAX42x-XJ Series
Interface Types & Speeds	Multi-lane SAS/SATA 6Gb/s (SFF-8088)
Compatibility	3.5 inch SATA Hard Drives 3.5 inch SAS Hard Drives (Dual Port Configurations Only)
Data Connectors	Two (2) SFF-8088 mini-SAS Connectors
Operating System Requirements	• Windows 7, Vista, or XP • Mac OS X • Linux distributions that support SFF-8088 connections
Compliance	EMI Standard: FCC Part 15 Class A, CE EMC Standard: EN55022, EN55024
Shipping Weight	35 pounds (includes accessories)
Product Dimensions	17.73" x 3.5" x 16.86" (450mm x 89mm x 428mm)
Technical Support	We don't expect anything to go wrong with your CRU product. But if it does, Tech Support is standing by and ready to help. Contact us at http://www.cru-dataport.com/support. We also offer phone support at (800) 260-9800.

FC Tested to comply with FCC standards
FOR OFFICE OR COMMERCIAL USE

RAX™42x-XJ Series Quick Start Guide

Visit http://www.cru-dataport.com/technical-support/product-manuals.php to download a copy of the complete User Manual. Additional product information can be found at www.cru-dataport.com and www.wiebetech.com. WiebeTech is a brand of CRU.

Models Covered:
RAX420-XJ
RAX421-XJ
RAX425-XJ
RAX421D-XJ
RAX425D-XJ

CRU RAX®

1. Hard Drive Installation

1.1 RAX420-XJ

a) Open the door by pulling on the ejection handle.

b) Slide in the hard drive, connector end-first. (Note: The drive's label should be facing up.)

c) Shut the door by pushing the handle back into the closed position.

1.2 RAX421-XJ and RAX421D-XJ

a) If the carrier is bundled with the unit, use the included set of keys to unlock each carrier and then remove the carrier from the frame.

b) Remove the screw securing the drive cover to the back of the carrier with a Phillips-head screwdriver. Then slide the cover toward the back and pull up to remove it.

c) Insert a SATA hard drive into the unified power and data connector inside the carrier.

d) Secure the hard drive to the carrier by using the mounting screws provided.

e) Attach the Temperature Control Cooling Sensor to the top of the hard drive with a piece of tape. The Temperature Control Cooling Sensor is the double-wired cord with a sensor nub at the end that extends out from the carrier PCB board.

f) Replace the cover and secure it into the rear of the carrier with the screw you removed in Step B.

g) Reinsert the carrier into the frame.

1.3 RAX425-XJ and RAX425D-XJ

a) If the carrier is bundled with the unit, push in on the handle to pop it out, and then pull on the handle to remove the carrier from the frame.

b) Use a Phillips-head screwdriver to remove the screws securing the drive cover on either side of the carrier, and then remove the cover.

c) Carefully insert the drive (not included) 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 hard drive inside the carrier and turn the drive carrier assembly over.

d) Secure the hard drive to the bottom of the carrier by using the mounting screws provided.

e) Replace the cover and secure it into the sides of the carrier with the screw you removed in Step B.

f) Reinsert the carrier into the frame.

g) Use the included set of keys to turn the keylock 90 degrees counter-clockwise to secure the carrier.

2. Operating Your RAX

Connect the SFF-8088 data cable to the RAX and your host computer. Plug in the power cord. With hard drives in the unit, turn on the power.

For the RAX420-XJ, the drives will begin to spin up automatically.

For the RAX421-XJ, use the included set of keys to turn the key lock 90 degrees clockwise to power on each hard drive.

For the RAX425-XJ, push in the power buttons on each frame until the LED lights up to power on each hard drive.

Your RAX is now ready to use! If the hard drives are already formatted, the RAX can be used right away. If the hard drives are brand new, or the formats are not compatible with your computer, the drives will need to be formatted before being used. See the "Usage with Mac and Windows Operating Systems" section of the complete User Manual for formatting instructions.

3. Dual Port Configurations

The RAX421D-XJ and RAX425D-XJ support two host machines connected via two multi-lane SAS/SATA (SFF-8088) connections. Both hosts on a dual port configuration cannot simultaneously write to the RAX unit. A dual port configuration only ensures redundancy in case one host machine is disabled or goes down.

Multi-lane SAS/SATA
(SFF-8088)

4. Rack Mounting Warnings

Elevated Operating Ambient Temperature: The operating ambient temperature of the rack environment may be greater than the room ambient temperature if the enclosure is installed in a closed or multi-unit rack assembly. Install the equipment in an environment compatible with the maximum ambient temperature of 40° C.

Reduced Air Flow: Do not block or inhibit the air flow required for safe operation of the enclosure.

Mechanical Loading: Use care when mounting the rack in order to prevent injury.

Circuit Overloading: Do not overload the circuits. Refer to the name plate ratings on the equipment.