



3ware RAID Drive Cage RDC-400 Quick Start Guide:



RDC-400 is an internal drive expansion cage that supports four (4) hot swap drives in a 3 drive space. It maximizes storage capacity and minimizes space.

Features:

- Requires 3 standard 5.25" half-height form factor slots
- Supports up to four 3.5" hot plugging ATA drive trays with key lock
- Accommodates four 1" height ATA disk drives
- Back plane design
- Two built-in fans provide self-contained ventilation
- Individual hard drive power and activity indicators
- Front access design to facilitate hot swap
- Compatible with ATA/133, 100, 66 and 33 drives
- Key locked power management for reliable hot swap

Note:

3ware has tested the unit in typical tower's from major OEM's, in addition to component built system towers. The configurations included current 5400 rpm and 7200 rpm drives from the leading suppliers of disc drives.

The performance of this product is dependent on the actual chassis, drive, cable and power supply used.

PLEASE READ BEFORE INSTALLING THIS UNIT

Installing into your computer:

1. Shut down your computer and turn off the power and remove the power cable. Install the box as illustrated in [figure 1](#).

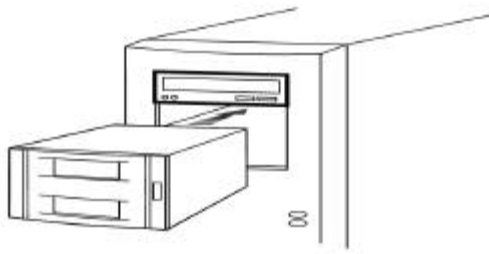


Figure 1

2. Connect the cables as shown in [figure 2](#). When connecting cables to the IDE bus make sure the numerical pins are lined up with the connector, else you may damage the hard disk drive.

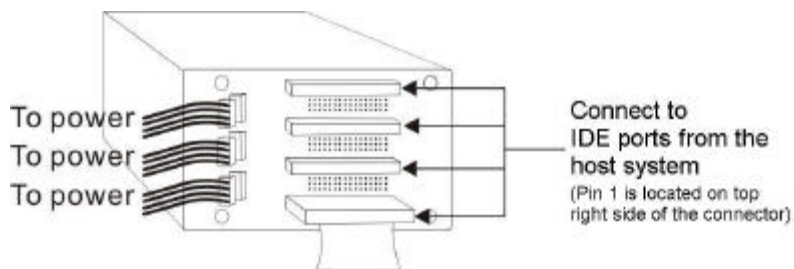


Figure 2

Installing a hard drive in the disk tray

1. Remove an empty disk tray.
2. Unpack the hard drive. Set the HDD to "Master". Refer to the manufacturer's documentation for the location of this jumper .

CAUTION: Static electrical discharge (ESD) can damage your drive or other components. To avoid ESD, ground yourself by touching any metal on the subsystem chassis.

3. Connect the power cable to the power connector on the hard drive.
4. Connect the 40-pin ATA cable to the IDE connector on the hard drive. Align the colored edge of the cable with pin 1 of the connector.

See figure 3.

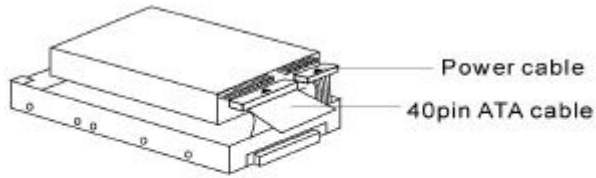


Figure 3

5. Insert the hard drive into the disk tray.
6. Install the mounting screws on each side to secure the drive in the disk tray.
7. Slide the tray into a slot until it clicks into place.
8. Insert the key (included in your package) into the keylock located on the right of the front panel and turn it clockwise. This will lock the disk tray into the subsystem providing data security and provide power to the drive. If you are replacing a hard drive, make sure to unlock it by turning the key counter-clockwise.

NOTE: When the hard drive is being accessed, the HDD activity LED illuminates.

Hot Add/Removing Disk

The cage supports 'Hot add and remove' by turning power off to the drive when the key is moved to the unlock position. See your controller documentation for whether or not it supports this feature and for the specific procedure to accomplish this.

Specifications



Form-factor	5.25" x 3 standard half height drive bays internal mounting
No. of drive channels	4
Hot-swap drive tray	4 each 1" trays
Cooling fan	2
Security locks	Yes
Host independent	Yes

Drive access indicators	Yes
Power requirements	5V DC 3A (Max)
Environmental relative humidity	10% to 85% Non-condensing
Operating Temp	5°C ~ 40°C (41°F ~ 104°F)
Non-operating Temp	-40°C ~ 60°C (-40°F ~ 140°F)
Physical dimension	128mm (H) x 149mm (W) x 233.4mm (D)
Weight	2.8kgs / 6.17lbs (without drives)

Copyright

©2003 3ware, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the proper written consent of 3ware, Inc., 455 W. Maude Avenue, Sunnyvale CA 94085

Disclaimer

3ware, Inc. assumes no responsibility for errors or omissions in this document, nor does 3ware make any commitment to update the information contained herein.

Warranty, Technical Support and Service

Limited Warranty

1-year hardware warranty: 3ware, Inc. warrants this product against defects in material and workmanship for a period of twelve (12) months from the date of original purchase.

Exclusions

THIS WARRANTY DOES NOT COVER ANY DAMAGE TO THIS PRODUCT WHICH RESULTS FROM ACCIDENT, ABUSE, MISUSE, NATURAL OR PERSONAL DISASTER, OR ANY UNAUTHORIZED DISASSEMBLY, REPAIR OR MODIFICATION. 3WARE SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, OTHER LOSS, DAMAGE OR EXPENSE DIRECTLY OR INDIRECTLY ARISING FROM THE CUSTOMER'S MISUSE OF OR INABILITY TO USE THE PRODUCT, EITHER SEPARATELY OR IN COMBINATION WITH OTHER EQUIPMENT, REGARDLESS OF WHETHER 3WARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 3WARE IS NOT LIABLE FOR, AND DOES NOT COVER UNDER WARRANTY, ANY COSTS ASSOCIATED WITH SERVICING AND/OR THE INSTALLATION OF 3WARE PRODUCTS. THIS WARRANTY SETS FOR THE ENTIRE LIABILITY AND OBLIGATIONS OF 3WARE WITH RESPECT TO BREACH OF WARRANTY, AND THE WARRANTIES SET FORTH OR LIMITED HEREIN ARE THE SOLE WARRANTIES AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OR FITNESS FOR PARTICULAR PURPOSE AND MERCHANTABILITY.

State Law Provisions

This warranty gives you specific legal rights and you may have other rights which vary from state to state. Some states do not allow the exclusion of incidental or consequential damages or allow limitation of implied warranties or their duration, so that the above exclusions or limitations may not apply.

3ware Technical Support and Services

Please call 3ware toll free at (877)883-9273 or email to support@3ware.com to obtain RMA number to return.

3ware Address

455 W. Maude Avenue, Sunnyvale CA 94085