

CRU DataPort™3n2

User Guide



PACKAGE CONTENTS

1. User Guide
2. DataPort™ 3n2 Unit
3. Screw Kit
4. 506 Key
5. Hex Key

If any of the above items are missing, or you need special parts, contact your dealer or CRU for instructions regarding replacement or service.

FEATURES AND SPECIFICATIONS

Item	Features & Description
Dimension	248 (L) x 147(W) x 85(H) mm
Weight	2115 g
Interface	Ultra 2, Wide LVD, SCA-2, Ultra 160; Multi-mode support in either SE (Single Ended) mode or LVD (Low Voltage Differential) mode.
HDD Capacity	Unlimited
Power Input	+12V DC, +5V DC
Power Output	+12V 4A, +5V 3A (per drive) with over current protection
Cooling	Rear 60 x 60 x 25mm cooling fan; Front 60 x 60 x 15mm cooling fan, with fan failure detection
Temperature	Operating 5°C - 50°C Non-operating 25° - 80°C
Humidity	Operating 20% - 80% Non-operating 15% - 90%
Material	Frame-metal Tray - metal with plastic liner
Display	Green LED - Power on Yellow LED - HDD access Red LED - HDD failure SCSI ID Display 0-F
Alarm System	Buzzer beeping in case of fan error (when fan stops, slows or is disconnected)
Hot Swap	Level 4 (Bus may have active I/O processes on going, but device being inserted or removed must be idle)
Drive Bay	5.25" x 2 to install 1" high HDD x 3

DataPort™ 3n2 Enclosure Installation:

Set up and Display description:

1. Disconnect the computer power source, open computer cover, and insert the RAID module into a 5 1/4" bay x 2. (fig. 2.1)
2. Connect 5V/12V power cord, terminator data and signal cables to the back side of the RAID module see (fig. 2.2)
3. After all necessary cables are properly connected, tighten the screws and reinstall the computer cover. (fig.2.3, 2.4)

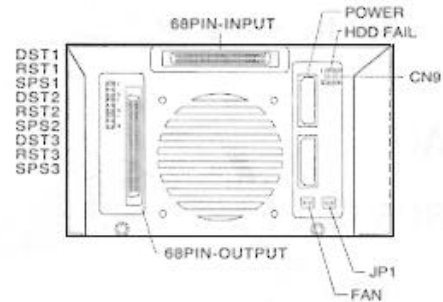
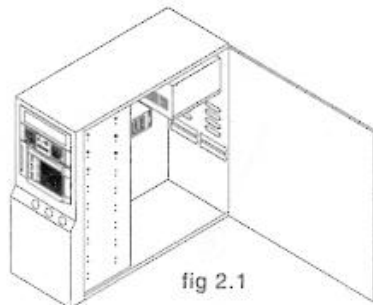
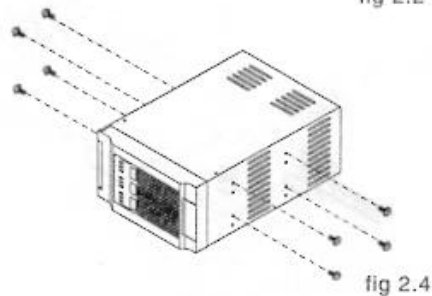
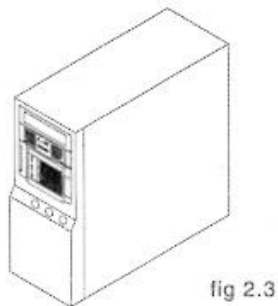


fig 2.2



Opening the DataPort™ 3n2

The key for the front cover of the DataPort 3n2 also serves as the handle. When the key is in a vertical position the lock is open. Use the key to open the front cover. To remove the key turn it to the horizontal position.



Mounting the Hard Disk Drive into the low profile carrier.

1. Insert the Hard Disk Drive into the carrier so that the back end of the drive is almost flush with the end of the carrier.
2. Use the provided screws to secure the drive in the carrier. Make sure that the end of the drive remains parallel with the end of the carrier.

Installing the low profile carrier.

1. Gently insert the carrier. Do not force the carrier into the enclosure as the hard drive or the enclosure could be damaged.
2. Lock the carrier into the enclosure with the hex key provided.

Jumper setting (fig. 2.2)

- | | |
|---|--|
| A. CN9: HDD fail LED input
Pin 1: Disk 1
Pin 2: Disk 2
Pin 3: Disk 3
Pin 2,4,6: GND | B. CN10: Disk 1 drive setting
Pin 1: Spindle SYNC
Pin 3: Remote start
Pin 5: Delay start
Pin 2,4,6: GND |
| C. CN11: Disk 2 drive setting
Pin 1: Spindle SYNC
Pin 3: Remote start
Pin 5: Delay start
Pin 2,4,6: GND | D. CN 12: Disk 3 drive setting
Pin 1: Spindle SYND
Pin 3: Remote start
Pin 5: Delay start
Pin 2,4,6: GND |

I. Selecting the SCSI ID number.

1. The DataPort™ 3n2 SCSI ID selection switches are located on the inside of the front door. Select the appropriate SCSI ID number for each hard disk drive. Selecting an invalid or duplicate number will cause unpredictable errors and the computer system will not recognize the hard disk drive. Remember as a general rule SCSI ID #7 is reserved for the host ID.
2. When the power is turned on the drive ID numbers should be visible on the display window located on the front door.



II. Status Display.

The DataPort™ 3n2 has 3 LEDs to display the drive status for each drive.

1. The green LED indicates the power is on. When the low profile carrier is correctly connected, the carrier is locked and a power cable connected the green LED will light up. If the power cable is disconnected or the drive is unlocked the green LED will no longer light up.
2. The yellow LED shows the drive activity. When the yellow LED is lit up the drive is reading or writing. If the yellow LED is not lit up the drive is idle.
3. The red LED is displayed if a hard disk drive has failed. When the red LED is lit up there is an error with the hard disk drive.

This feature must be supported by the raid controller card.

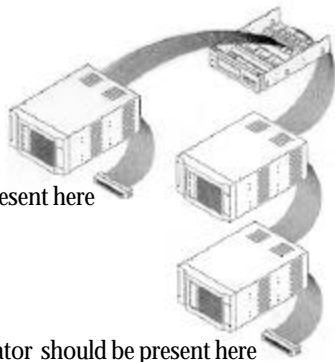
SCSI bus terminator

If you want to connect more than one SCSI device on the same Controller, the SCSI bus terminator has to be connected on the chain after the final device. The following diagram shows a typical application SCSI bus terminator.



Terminator should be present here

The diagram below shows the bus terminator location if you use multiple SCSI devices on the same SCSI controller.



Terminator should be present here

Terminator should be present here

Fan Alarm.

The DataPort™ 3n2 has two cooling fans installed. Should either fan stop or slow down the buzzer will sound an alarm. The alarm can be silenced by pressing the reset button on the inside of the door. Contact CRU for fan replacement.

Limited Product Warranty:

Connector Resources Unlimited, Inc. (CRU) warrants the DataPort™ 3n2 to be free of significant defects in material and workmanship for a period of one (1) year from the original date of purchase. CRU's warranty is nontransferable and is limited to the original purchaser.

Please note: CRU's limited product warranty is not intended to allow customers to upgrade their CRU products to newer versions.

Product Remedies:

CRU's entire liability and the original purchaser's exclusive remedy for any breach of warranty, shall be, at CRU's option, either (a) return of the price paid or (b) repair or replacement of the hardware, provided that the hardware is returned to CRU, with a copy of the sales receipt or applicable documentation. Any replacement hardware will be warranted for the remainder of the original warranty period.

These remedies are void if failure of the hardware has resulted from accident, abuse, misapplication or modification. (This will be determined by CRU, Inc.)

Material Return:

Any product being returned to CRU, either by a distributor, dealer or an end user, for repair or replacement must be accompanied by a Return Material Authorization (RMA) number, which must be obtained by contacting CRU's Customer Service Department at **800-260-9800**.

Please have these items available when requesting an RMA: CRU Part Number(s), and your return "Ship To" Address.

IMPORTANT: Returned material must be properly packed to avoid in-transit damage. ***Damage to CRU products due to improper packaging will not be covered by this warranty.***

Product return packages must be labeled on the outside of the box as follows:

**CRU, Inc.
RMA Dept./RMA #XXXX
900 SE Tech Center Drive, Suite 100
Vancouver, WA 98683**

CRU will apply its warranty policy and issue RMA numbers based on a review of the specific circumstances of each request. CRU will, at its sole discretion, determine if a product is valid for return to CRU or if another remedy is applicable.

Actual credit or refund for any item returned to CRU will only be applied once the item has been received by CRU and approved to adhere to CRU's Warranty and RMA policies.

RMA product(s) sent to CRU must be received within 30 days of the original RMA issue date. All products on each RMA must be shipped together.

Advance Replacement:

Advance Replacement requests require an Advance Replacement Authorization, pre-approved by a CRU Technical Support Specialist. Advance Replacements also require a credit card to secure the product being replaced. Advance replacements will typically ship within one day of RMA issue date and authorization. CRU will pay outbound freight and insurance only.

Defective Product Return Beyond 30 Days:

CRU products under warranty, but beyond 30 days of the original purchase date, are subject to repair only. To return product(s) after 30 days, please follow the guidelines below, in addition to the general RMA guidelines described above in the "Material Return" section.

Prior to returning defective product(s), contact a CRU Technical Support Specialist for problem analysis and replacement approval at 800-260-9800.

Defective product(s) must be sent freight pre-paid and insured by the requestor.

Repair replacement product(s) will be return shipped from CRU, freight pre-paid and insured by CRU, within three to seven business days of receipt (depending on quantity & repair type). Please allow sufficient shipping time to and from locations; allow three business days for repair. CRU ships all repairs via standard UPS ground unless otherwise agreed to when the RMA is issued.