

These explanatory labels are included in the information for the user in accordance with the requirements of IEC 60825-1.



CLASS 1 LASER PRODUCT

Copyright

Copyright © 2003-2010 by Datacom Systems, Inc. All rights reserved. Printed in the United States of America. 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 prior written permission of Datacom Systems, Inc. To obtain this permission, write to the attention of the Datacom Systems legal department at 9 Adler Drive, East Syracuse, New York 13057-1290, or call 315-463-9541.

Customer Service

This Quick Installation Guide was written to help you get to know your new RMC quickly and easily. We would welcome any comments or suggestions you may have regarding this Quick Installation Guide. Please send your remarks and recommendations via mail, telephone, facsimile, or Internet E-mail.

Datacom Customer Service personnel are available via telephone, facsimile, and Internet E-mail. Outside of support hours, please leave a voice message and our Customer Service Staff will return your call as soon as possible.

Mail: Datacom Systems, Inc.
Customer Service
9 Adler Drive
East Syracuse, NY 13057-1290

Tel: (315) 463-9541

FAX: (315) 463-9557

E-mail: support@datacomsystems.com

World Wide Web

You can obtain additional information about Datacom Systems, Inc. and its products and services from the World Wide Web at <http://www.datacomsystems.com> or support@datacomsystems.com.

11 Cable Management

Power Cable Tie Wrap Installation — Power adapters are supplied. Models offering redundant power strongly advise use of the second power adapter to assure uninterrupted monitoring. Furthermore, connecting the second power adapter to a different external power source circuit than the first power adapter eliminates power as a single point of failure. **In addition, the power cable should be placed in such a manner as to minimize power connector stress caused by suspending the cable and power adapter module.** Because of this mechanical consideration it is highly recommended that strain relief loops be required for the power cable. The addition of strain relief in this critical area will ensure network monitoring integrity.



Trim the excess tie wrap to minimize space and provide a clean cabling installation. {Cable management considerations should deliver quality in installation consistent with industry standards to improve the level of compliance in the industry with cabling regulation.} With the device mounted in position, the power cables are now placed in such a manner as to **minimize stress caused by suspending the power cables and power adapter modules.**



The typical rack mount, power adapters, and strain relief installation related to the power cable route are shown not mounted in an equipment rack for clarity. Allow approximately ten inches of slack clearance between the power connectors and the power cable tie down. This will allow sufficient clearance to plug in the power connectors. Thread a tie wrap through the two-3/16" holes located on the raised lip directly behind the single-device rack mount opening. Place the power cables between the tie wrap and cinch firmly but not so tight as to deform the cable sheath.



Strain relief — (strān rē-lēf') (n.) Used in reference to telecommunications cables, often a PC's cables, that are designed to allow the cables to move without cracking and/or breaking away from the plug or connector that connects to an electrical outlet or a hardware device. The strain relief allows flexibility in the cable without putting stress on that vulnerable point in the cord.

DATACOMsystems® RMC Rack Mount Chassis

QUICKinstall



May 2010

Part Number: 541-0123-Q-A.02

Warranty

Datacom Systems, Inc. (DSI) warrants that the hardware which it supplies will be free from significant defects in materials and workmanship for a period of two years from the date of delivery (Warranty Period), under normal use and conditions. In the event of any such defect, you can return an item of defective hardware, freight prepaid, to DSI during the Warranty Period, and DSI will repair or replace the defective equipment and return it to you, freight prepaid. If DSI determines that the equipment is not defective, it will return it to you, freight collect. DSI shall have no responsibility for any deficiency resulting from accidents, misuse, modifications, power disturbances (including use of a power supply not specified by DSI), or various other forms of disaster, e.g., earthquakes, floods, etc.

PLEASE DO NOT ATTEMPT TO RETURN ANY ITEM PRIOR TO RECEIVING A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER FROM DATACOM CUSTOMER SERVICE AT (315) 463-9541

Limitation On Liability

The warranties set forth above are exclusive and in lieu of all other warranties. Datacom Systems, Inc. (DSI) makes no other warranties, expressed or implied, and DSI expressly disclaims all other warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose. Moreover, the provisions set forth above state DSI's entire responsibility and your sole and exclusive remedy with respect to any breach of warranty or contract.

No liability for consequential damages. Under no circumstances and under no theory of Liability shall DSI be liable for costs of procurement of substitute products or services, lost profits, lost savings, loss of information or data, 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 DSI product or service, even if DSI has been advised of the possibility of such damages.

1 What's in the Package



2 Introduction

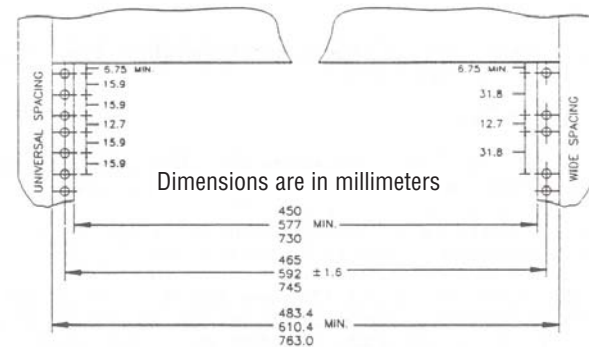
The RMC (Rack Mount Chassis) is a high quality, space saving rack mount chassis used with multiple Datacom Systems small form TAP devices for a neat, orderly and professional installation. Typically, the RMC is installed where access with monitoring and analysis capabilities are important.

RMC-3, RMC-2, RMC12-3, RMC12-2 and RMC-14 product candidates are typically small form TAP devices.

3 Installing a RMC in an Equipment Rack

Before installing an RMC unit in a standard 19-inch rack:

- Do you have universal or wide spacing flanges? The RMC-3 and RMC-2 each occupy 1 unit, the RMC12-3 and RMC-14 each occupy 4 units and the RMC12-2 occupies 6 units of space when fastened in the wide spacing holes of a universal or wide-space flange. All RMC units occupy an additional part of 1 adjoining unit of space when incorrectly fastened in the middle holes of a universal flange.



ANSI/EIA-310-D-1992 Mounting Flange Dimensional Requirements

- Do you need to install the RMC unit in a standard 19-inch rack first and then install the small form TAP device(s)? or Do you need to install the small form TAP device(s) first and then install the RMC unit in a standard 19-inch rack? Choose either choice.

4 RMC-3 Specifications

Feature	Specification
Small Form Device Capacity	Three
Dimensions	1.725" (H) x 19.000" (W) x 6.250" (D) (includes rack mount bracket) 44 mm (H) x 483 mm (W) x 159 mm (D)
Weight	Unit - 3 pounds; Shipping - 6 pounds - 1.36 kg; Shipping - 2.72 kg

5 RMC-2 Specifications

Feature	Specification
Small Form Device Capacity	Two
Dimensions	1.725" (H) x 19.000" (W) x 8.250" (D) (includes rack mount bracket) 44 mm (H) x 483 mm (W) x 210 mm (D)
Weight	Unit - 4 pounds; Shipping - 8 pounds - 1.81 kg; Shipping - 3.63 kg

6 RMC-12-3 Specifications

Feature	Specification
Small Form Device Capacity	Twelve RMC-3 devices
Dimensions	7.000" (H) x 19.000" (W) x 12.250" (D) (includes rack mount bracket) 44 mm (H) x 483 mm (W) x 311 mm (D)
Weight	Unit - 8 pounds; Shipping - 16 pounds - 3.63 kg; Shipping - 7.26 kg

7 RMC-12-2 Specifications

Feature	Specification
Small Form Device Capacity	Twelve RMC-2/RMC-3 with bracket
Dimensions	10.500" (H) x 19.000" (W) x 12.250" (D) (includes rack mount bracket) 267 mm (H) x 483 mm (W) x 311 mm (D)
Weight	Unit - 9 pounds; Shipping - 18 pounds - 4.08 kg; Shipping - 8.16 kg

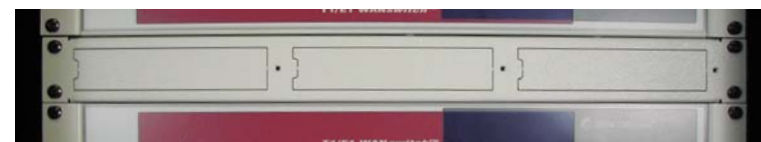
8 RMC-14 Specifications

Feature	Specification
Small Form Device Capacity	Fourteen RMC-3 devices
Dimensions	7.000" (H) x 19.000" (W) x 6.250" (D) (includes rack mount bracket) 178 mm (H) x 483 mm (W) x 159 mm (D)
Weight	Unit - 5 pounds; Shipping - 12 pounds - 2.27 kg; Shipping - 5.44 kg

9 RMC Installation

This section specifically addresses the RMC-3 but corresponds to the installation procedure necessary for a RMC-2, RMC12-3, RMC12-2 or RMC-14. To put the RMC unit in a standard 19-inch equipment rack, adapt the following steps to your installation needs:

- Decide where to place the RMC unit in the equipment rack.
- Align the RMC unit bracket holes and the equipment rack holes.
- Insert screws through the RMC unit bracket holes into the rack.
- Tighten the screws until the RMC unit is secure in the rack.



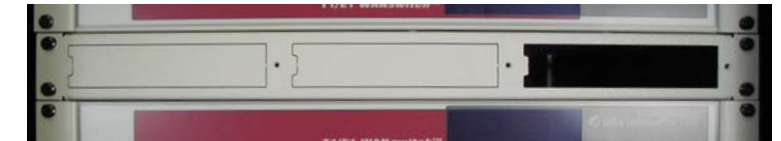
One RMC-3 fastened in equipment rack

NOTE: The RMC-3, RMC-2 and RMC-14 units have knockout tabs. The RMC-12-3 and RMC-12-2 units DO NOT have knockout tabs.

10 Installing a small form TAP device

This section specifically addresses the RMC-3 but corresponds to the installation procedure for all RMC units. Adapt to your installation:

- Knockouts have a tiny tab of metal holding it in place on the small opposing sides. Gently push or pry the unsecured edge, wiggle it back and forth until the tabs fail and dispose of it.



RMC-3 fastened in equipment rack, one metal knockout removed

NOTE: This typical small form TAP device installation for a FIBERTap™ is shown before the RMC-3 is put in the equipment rack for clarity and any small form installation will correspond to these installation instructions.

- Insert the FIBERTap™ through the knockout opening.



Put FIBERTap™ through knockout opening

- Align the knockout tab and the FIBERTap™ left side slot.



Align knockout tab and FIBERTap™ slot

- Slide the FIBERTap™ into the knockout tab



Slide FIBERTap™ into knockout tab

- Tighten thumbscrew until the FIBERTap™ is secure in the RMC-3.



Tighten thumbscrew