

# FIBRE CHANNEL HUB, 7-PORT UNIVERSAL MOUNTING KIT

Installation Card

*Open Card Completely Before  
Beginning Installation Procedures*

## European Union Notice

Products with the CE Marking comply with both the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23 EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms (in brackets are the equivalent international standards):

- EN 55022 (CISPR 22) *Electromagnetic Interference*
- EN 50082-1 (IEC 801-2, IEC 801-3, IEC 801-4) 22) *Electromagnetic Immunity*
- EN 60950 (IEC 950) *Product Safety*

## NOTICE

The information in this document is subject to change without notice. COMPAQ COMPUTER CORPORATION SHALL NOT BE LIABLE FOR TECHNICAL OR EDITORIAL ERRORS OR OMISSIONS CONTAINED HEREIN, NOR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE FURNISHING, PERFORMANCE, OR USE OF THIS MATERIAL. THIS INFORMATION IS PROVIDED "AS IS" AND COMPAQ COMPUTER CORPORATION DISCLAIMS ANY WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY AND EXPRESSLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, GOOD TITLE AND AGAINST INFRINGEMENT.

This publication contains information protected by copyright. No part of this publication may be photocopied or reproduced in any form without prior written consent from Compaq Computer Corporation.

©1999 Digital Equipment Corporation.  
All rights reserved. Printed in the U.S.A.

Compaq and the COMPAQ STORAGEWORKS logo registered U.S. Patent and Trademark Office.

FIBRE CHANNEL HUB, 7-PORT UNIVERSAL MOUNTING KIT

First Edition (February 1999)  
Part Number 120293-001  
EK-XHB07-IC. A01

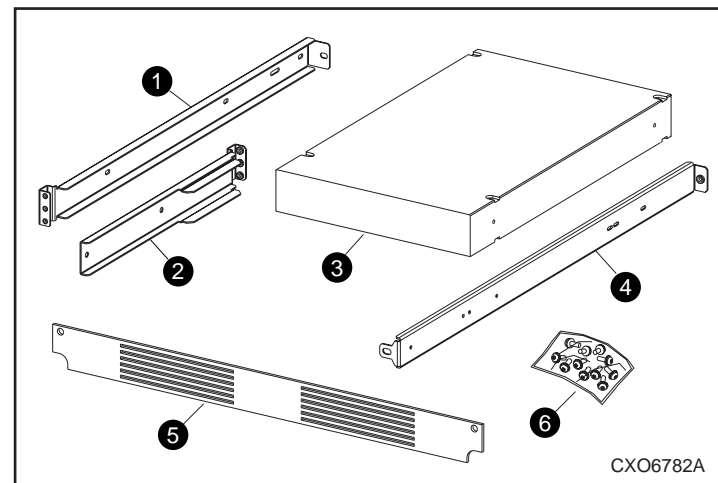
Compaq Computer Corporation

## About This Card

This card identifies the contents of the universal mounting kit and provides procedures for mounting either one or two Fibre Channel (FC) 7-Port Hubs (234453-001, 234453-B31, 234453-291/DS-SWXHB-07) into the following Compaq racks:

- RETMA 41U or 42U
- Compaq Classic
- Metric SW600

## Kit Contents



**NOTE:** This kit contains parts for various rack installations. Not all kit parts are needed for all rack installations.

- ① Mounting brackets (2)
- ② Extender brackets (2)
- ③ 7-port FC hub blank
- ④ Slide brackets (2)
- ⑤ Faceplate
- ⑥ Bag of miscellaneous hardware:
  - Link brackets (4)
  - Snap-on cable ties (2)
  - Clip nuts (4)
  - Alignment washers (8)
  - Flat head screws, 6-32 x 3/8 in (8)
  - Pan head SEMS screws, 6-32 x 5/16 in (4)
  - Pan head SEMS screws, 10-32 x 5/8 in (18)

## Tools Required

- No. 1 Phillips screwdriver
- No. 2 Phillips screwdriver

## Installation Process Orientation

Current or planned configuration of rack components determines which installation process orientation to follow. Key consideration is how cables are routed—at the rack front or rear. General rack configuration guidelines include:

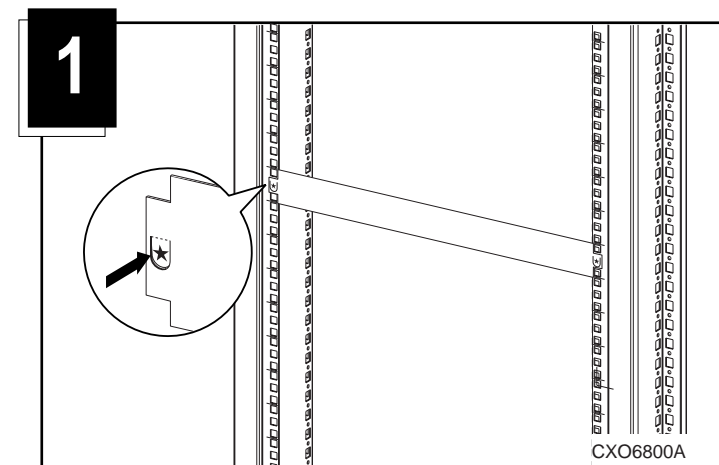
- For RETMA 41U and metric SW600 racks, follow procedures as oriented from the *rack-front*.
- For RETMA 42U and Compaq Classic racks, either orientation—*rack-front* or *rack-rear*—configuration is possible. Install as desired.

## Beginning the Installation Process

If available, use the rack-mounting template shipped with the 7-port hub to determine the 1U installation location within the rack. Otherwise, read this section and mark rail holes as required using a mounting bracket.

**IMPORTANT:** Ensure that the template-front and back are used according to the desired installation orientation. In *rack-front* installations, the template-front is used at the rack-front and template-back is used at the rack-rear. In *rack-rear* installations, the template-front is used at the rack-rear and template-back is used at the rack-front.

1. Position the template-front on the vertical rails to match the template hole pattern to the rail holes.



2. Pencil mark the front mounting bracket holes with an M.
3. Position the template-back on the rack-rear vertical rails, aligning the template parallel with the rack-front pencil markings.
4. Pencil mark the rear mounting bracket holes with an M.

## Attaching the Mounting Brackets

Attach two mounting brackets.

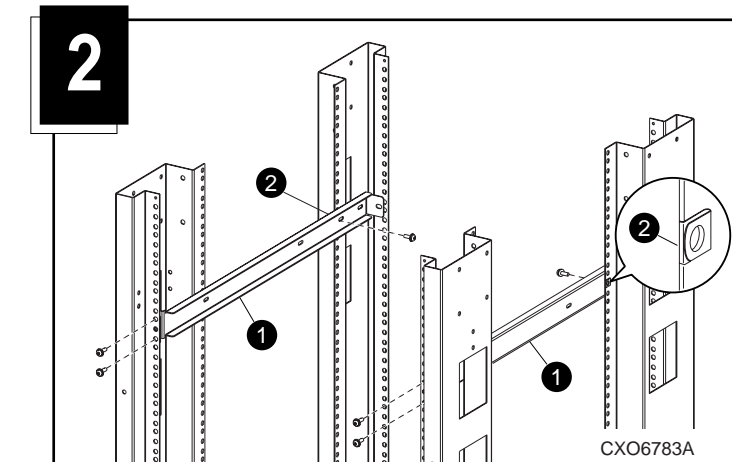
**WARNING:** To reduce the risk of personal injury or equipment damage during installation, never extend multiple components installed in the rack at the same time. A rack might become unstable if more than one component is extended for any reason.

For RETMA 41U racks:

1. Position each mounting bracket ① with the rail holes pencil marked M.

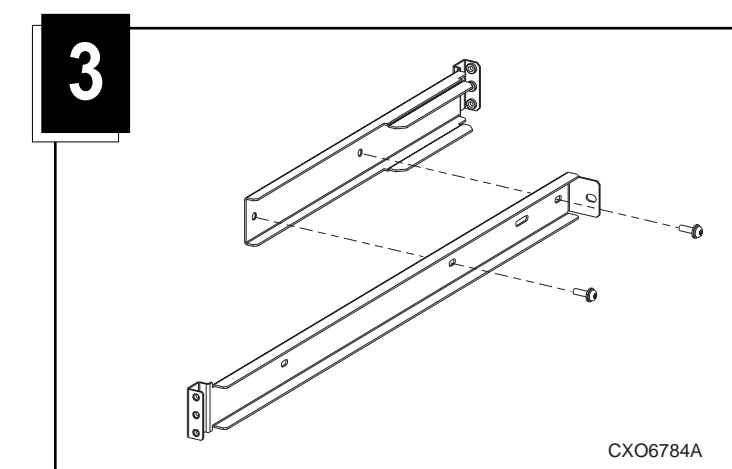
**IMPORTANT:** Finger-tighten all three mounting bracket screws to facilitate alignment. Then secure screws in the top and bottom mounting bracket holes prior to securing the single screw at the rear of the bracket. Ensure the mounting bracket is parallel in the rack from front to back.

2. Install a clip nut ② and secure using pan head SEMS screws (10-32 x 5/8 in).



For RETMA 42U and Compaq Classic racks:

1. Connect an extender bracket to each mounting bracket by finger tightening two pan head SEMS screws (10-32 x 5/8 in).



2. Position each mounting bracket behind the vertical rail, aligning it with the rail holes pencil marked M.
3. Secure each mounting bracket using alignment washers and pan head SEMS screws (10-32 x 5/8 in).

**IMPORTANT:** Position each alignment washer to mate smoothly against the vertical rail prior to fully tightening the screw.