COMPAQ

ALPHASERVER DS10L QUAD-BRACKET RACKMOUNT INSTALLATION

Overview

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⚠ *WARNING: To prevent injury, access is limited to persons who have appropriate technical training and experience. Such persons are expected to understand the hazards of working within this equipment and take measures to minimize danger to themselves or others.*
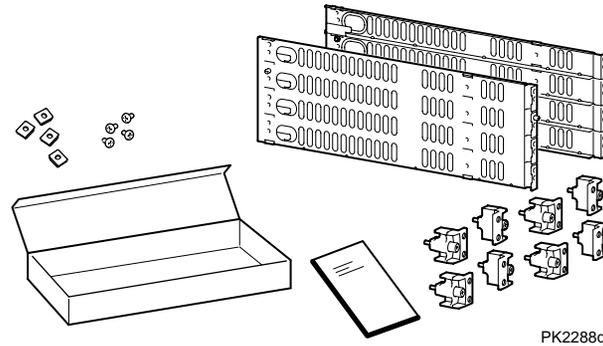
Rackmount Guidelines

- If you *are installing less than four DS10L systems, see AlphaServer DS10L Single Bracket Rackmount Installation*, EK-DS10L-RM.
- A maximum of eight DS10L systems may be installed for each rackmount power distribution unit.

	H9A11	H9A10	H9A15
Number of DS10L systems	20	32	40
PDU and fan units needed	3	4	5

Unpack Rackmount Kit

The rackmount kit contains these instructions, two quad-brackets, U-clips and screws, two sets of threaded guide pins (one set attached to the brackets and one spare set), and eight rackmount ears for securing the systems in the rack (see Figure 1).

Figure 1 Unpacking the Rackmount Kit

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Determine Base Zero

Decide the relative position of the system in the rack. Base zero is where the bottom of the system will be when installed in the rack.
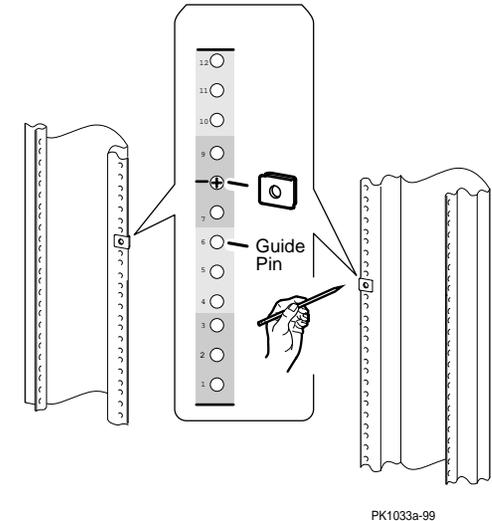
If your systems are the first systems in the rack, then base zero is between the first and second hole up from the floor of the rackmount cabinet.

If you are adding your systems to a rack already populated, then base zero is the top of the system underneath the first DS10L you are installing. Each DS10L system height requires 1U (1.75 inches); a quad-pack of DS10Ls requires 4U space on the rails (7 inches).

Mark and Prepare the Rails

- Using the template (Figure 6) found on the back of this card, mark base zero and hole 8 above it on the front rails and all four interior rails (see Figure 2).
- **If you are installing more than one quad-pack of AlphaServer DS10Ls in the rack at the same time:** using the template, mark the top of the first quad-pack you are installing. Use this as base zero for the second quad-bracket, move the template up aligning with base zero, mark hole 8 and the top of this quad-pack, until you have marked holes for all of the quad-packs you are installing.
- Insert a U-clip at each marked hole on the interior rails.

Figure 2 Marking Inner Rails
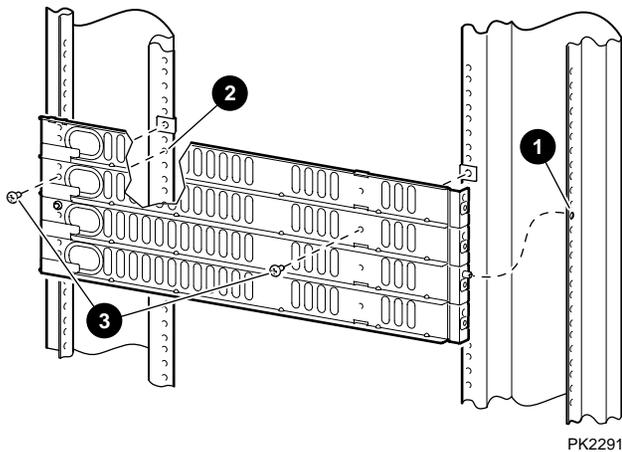

Guide Pin

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Install the Brackets

There are two threaded guide pins on the brackets: one on the front and one on the rear side of each bracket.

If the holes in your rackmount cabinet require smaller guide pins, a second set of smaller pins has been included in the kit. Replace the pins if necessary.

- Insert the front guide pin into the sixth hole above base zero. See Figure 3, ❶. Push the bracket in.
- Insert the rear guide pin into the rear interior rail in the hole two below the U-clip, aligning the screw hole to the C-clip. Push the bracket in toward the side of the rackmount cabinet (see ❷).
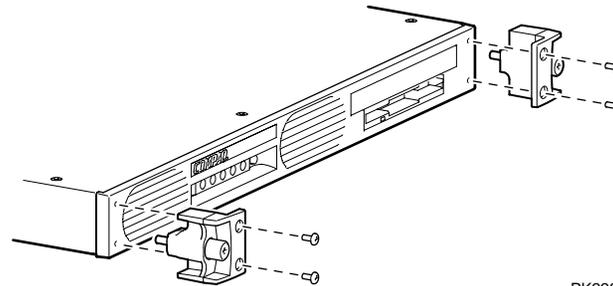- Secure with screws on each interior rail, at the U-clips. See ❸.

Figure 3 Installing the Brackets

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Attach the Rackmount Ears

- Align the two vertical holes located on the front edge of each system with the two holes on the rackmount ears (see Figure 4).
- Using a Phillips screwdriver, screw the ears onto each system, finger tight. Do not apply excessive force.
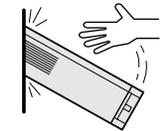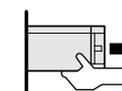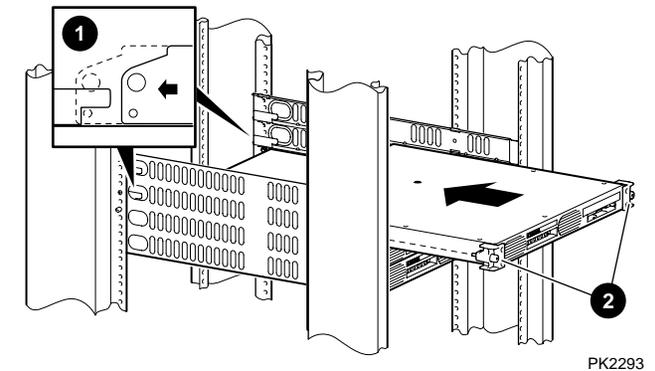- Do this for each system.

Figure 4 Attaching the Rackmount Ears

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Insert and Secure the Systems

- Starting with the bottom rack position, using both hands, place the first system onto the brackets and push it back into the cabinet (see Figure 5).
- Push the system back in to the rack. The brackets will stop the system when the hinges contact the latch.
- Secure the system by tightening the captive screws on the rackmount ears on the front of the system.
- Repeat this procedure until all four systems are inserted and secured.

Figure 5 Inserting the Systems

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Caution: During removal, system box not tethered.
Attention: Pendant le déplacement, le boîtier système n'est pas fixé.
Precaución: Durante el traslado, no debe atarse la caja del sistema.
Achtung: Beim Entfernen ist das Systemgehäuse nicht gesichert.

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Check Power and Secure Cables

- Connect the power cord.
- Route the power cord to the designated power distribution unit. If installing more than one system, cable power cords together as appropriate.
- Continue cabling (see AlphaServer DS10L Quick Setup poster, shipped with your system, and also on your User CD-ROM). When all cabling is complete, connect power cord to the power controller unit.

For More Information

Using a Web browser, you can access additional documentation at http://www.digital.com/alphaserver/ds10/ds10L_tech.html/

Information on the AlphaServer line can be found at http://www.compaq.com/alphaserver/

On the user CD that ships with each system, see also:

- *Power Distribution Unit Configuration and Installation* card (EK-DS10L-PD)
- *AlphaServer DS10L Single Bracket Rackmount Installation* (EK-DS10L-RM)
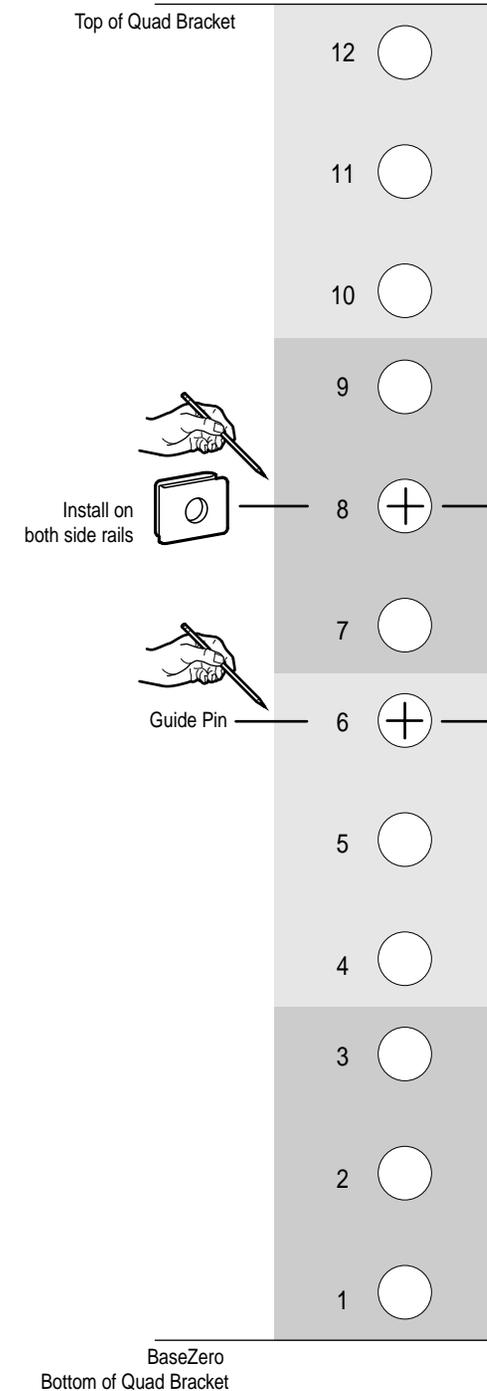- AlphaServer DS10L Illustrated Parts Breakdown (EK-DS10L-IP)

Top of Quad Bracket

12

11

10

9

Install on both side rails

8

7

Guide Pin 6

5

4

3

2

1

BaseZero
Bottom of Quad Bracket

Figure 6 Template