



REPLACING A DISK ENCLOSURE ULTRA2 SCSI I/O MODULE

Installation Guide

Open Card Completely Before Beginning Installation Procedures

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First Edition (July 1999)
Part Number 148453-001
EK-SE2SJ-IG. A01
Compaq Computer Corporation



Protecting Against ESD Damage

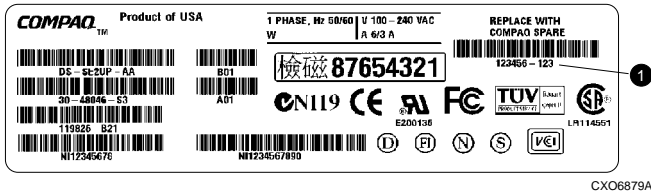
Whenever you replace a disk enclosure I/O module you must take precautions to prevent electrostatic discharge (ESD) from damaging sensitive electronic items.

1. *Always* transport and store the I/O module in a static-safe container.
2. Avoid touching the I/O module connector pins, leads, circuits, or components *even when* wearing an ESD wrist strap.

Verifying I/O Module Compatibility

To ensure that the replacement I/O module is the correct one, compare the Compaq spare part numbers on the failed I/O module and the replacement I/O module. This number is in the upper right corner of the product label (see ❶, Figure 1).

Figure 1 Typical Compaq Product Label



Replacing the I/O Module

CAUTION: Interrupting the SCSI bus by replacing an I/O module could cause the loss of data. Therefore, you must stop all SCSI bus data transfers before replacing a module.

You must stop transfers on *both SCSI buses* when the enclosure is configured for *dual bus* operation.

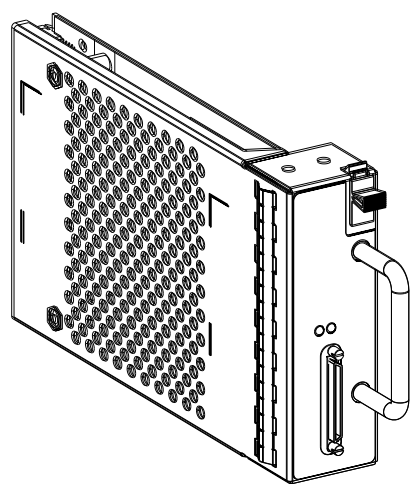
NOTE: Removing an I/O module significantly changes the airflow within the enclosure. Therefore, always replace it as soon as possible.
The basic procedure for replacing an I/O module is the same regardless of the system or bus type.

Complete the procedure in Table 1 to replace an I/O module.

Table 1 I/O Module Replacement Procedure
1. Quiesce the SCSI bus.
2. Disconnect the cable from the module. When there are multiple cables, label the cable for identification.
3. Repeat Step 3 for the other cables.

Table 1 I/O Module Replacement Procedure (Continued)

4. While grasping the module handle, press down on the module latch and pull the module out of the enclosure.



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5. Slide the replacement module into the enclosure.
6. While grasping the module handle, press down on the module latch and push the module into the enclosure until it is fully seated.
7. Connect the cable connector to the same module connector (see Step 2).
8. Repeat Step 7 for the other cables.
9. Activate the SCSI bus and observe the LEDs to verify that the module is functioning properly.