hp hot-pluggable wide ultra2/ultra3/ultra320 hard drive

Additional Information

For the latest information and instructions regarding HP branded or Compaq branded hard drives, such as Hard Drive Compatibility tables, Important cards, and updated installation instructions, refer to the Technical Information area at the following HP website:

www.hp.com/products/harddiskdrives

Availability of Japanese Documentation

To view or download Japanese versions of HP SCSI hard drive documentation, go to the following HP website:

www.compaq.co.jp/products/manuals/

To order a hard copy of the HP SCSI hard drive documentation in Japanese, please contact the HP Japan Customer Care Center and provide them with an HDD kit number and a serial number.

HP Japan Customer Care Center: 0120-014121
This is a tollfree call number. The center is available
Monday through Friday 9:00 – 21:00
Saturday 9:00 – 17:00
(Except during national holidays).

HPカスタマ・ケア・センタ
0120-014121
月曜日～金曜日　9:00～21:00
土曜日　9:00～17:00　（祝日、年末年始および5/1を除く）

Important Guidelines for Replacing Hot-Pluggable Hard Drives

Follow these guidelines when replacing drives configured for fault tolerance on a HP Smart Array Controller:

- **Never remove more than one drive at a time.**

  When a drive is replaced, the controller uses data from the other drives in the array to reconstruct data on the replacement drive. If more than one drive is removed, a complete data set is not available to reconstruct data on the replacement drives and permanent data loss can occur.
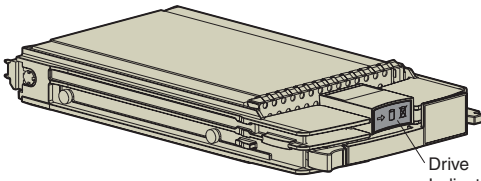
- **Never remove a drive while another drive is being rebuilt.**

  A drive's Online LED Indicators will be flashing green while it is being rebuilt. A replaced drive is rebuilt from data stored on the other drives. See the following figure.

- **Never turn a disk enclosure off while the initiator or controller is powered on or active.**

  Doing so can cause the initiator or controller to mark the drives as "failed." This can result in permanent data loss.

- **If a drive is replaced while the system is Off, it may be necessary to rebuild the replaced drive.**

  Follow the instructions on the screen or the instructions outlined in the system's reference guide.

Drive Indicators

	Do not remove the drive. Removing the drive during this process will cause data loss. The drive is being accessed and is not configured as part of an array.
	Do not remove the drive. Removing the drive during this process will cause data loss. HP smart array controller has detected a predictive drive failure.
	Do not remove the drive. Removing the drive during this process will cause data loss. The drive is rebuilding or undergoing capacity expansion.
	Do not remove the drive. Removing the drive during this process will cause data loss. The drive is part of an array being selected by the Array Configuration Utility. - Or - The options ROMpaq is upgrading the drive.
	OK to replace the drive online if a predictive failure alert is received and the drive is attached to an array controller. The drive is not configured as part of an array. - Or - If this drive is part of an array, then a powered-on controller is not accessing the drive. - Or - The drive is configured as an online spare.
	OK to replace the drive online. The drive has failed, and has been placed off-line.
	OK to replace the drive online if a predictive failure alert is received, provided the array is configured for fault tolerance and all other drives in the array are online. The drive is online and configured as part of an array.
	OK to replace the drive online if a predictive failure alert is received, provided the array is configured for fault tolerance and all other drives in the array are online. The drive is online and configured as part of an array.
	OK to replace the drive online if a predictive failure alert is received, provided the array is configured for fault tolerance and all other drives in the array are online. The drive is online and configured as part of an array.

■ OFF   ▯ Online   ⇨ Drive Access   ⊠ Drive Failure

Installation Overview

1. **Review Important Guidelines**—When replacing a failed drive, refer to the documentation included with the server or disk enclosure system to identify and remove a failed drive. See "Important Guidelines for Replacing Hot-Pluggable Hard Drives" included on this poster.
2. **Remove failed drive**—Follow the steps shown on this card.
3. **Install hot-pluggable hard drive**—Follow steps shown on this card.
4. **Hard drive handling precautions**—Hard drives are sensitive electromechanical devices that can be permanently damaged through improper handling. The packaging provided with a hard drive is designed to protect it from accidental drops. HP recommends that hard drives remain in their original packaging until installation. Drives should be handled with care and never dropped, even from short distances.
5. **Configuration**—If this is an upgrade or new installation on a ProLiant-based system, run the HP System Configuration Utility found on the HP SmartStart CD.

> △ CAUTION: Electrostatic discharge can damage electronic components. Be sure you are properly grounded before beginning this procedure. Refer to the documentation that came with your computer or contact your HP authorized reseller for procedures to discharge static electricity.

Installing the Hard Drive

Follow these steps to install a hot-pluggable hard drive into a system. If you are removing the blank drive bezel, perform step 1.
If you are removing a failed drive, perform step 2.

1. Remove the blank drive bezel from the disk enclosure before installing a new hard drive.
   a. Press the ejector buttons simultaneously (1).
   b. Pull the blank drive bezel from the disk enclosure (2).
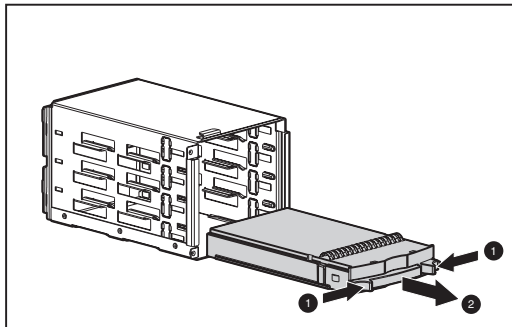
2. Remove the failed hard drive from the disk enclosure before installing a new hard drive.
   a. Press ejector button and pivot the lever to full open position (1).
   b. Pull the drive from the disk enclosure (2)
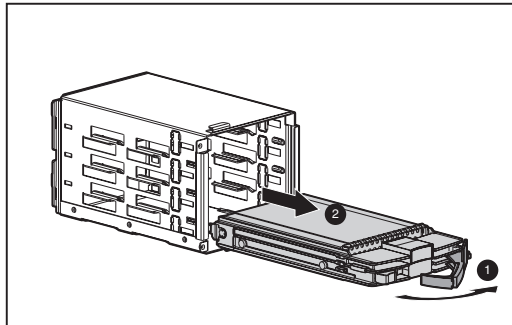
3. Prepare the replacement drive for insertion into the disk enclosure.
   a. Press the ejector button of the hard drive (1).
   b. Pivot the lever into the full open position(2).
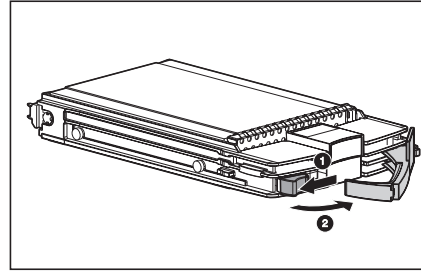
4. Insert the replacement drive into the disk enclosure.
   a. Slide the replacement drive into the disk enclosure (1).
   b. The ejector lever must be in the full open position while installing the drive to ensure a correct latch (2).
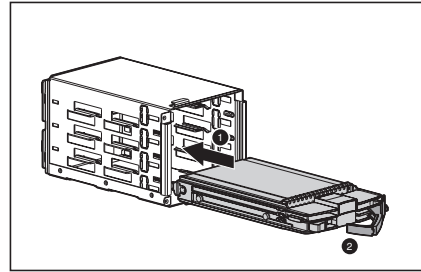
5. When the drive has been fully inserted, close the ejector lever. The locking hinge must be engaged behind the fromt panel of the unit.
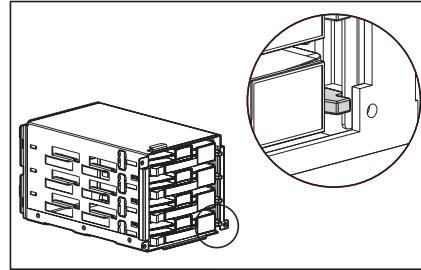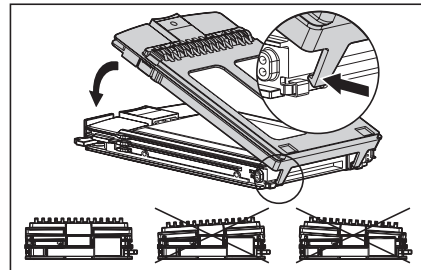

Drive Height Converter Option

To install a 1-inch hard drive into a 1.6-inch drive bay, attach a driveheight converter to the drive assembly. The drive height converter option is sold separately. Contact an HP authorized reseller for purchasing information.

Installation Instructions

Snap the drive height converter accessory into place, as shown in the following figure. Proceed with the normal installation procedures.

To confirm a correct attachment, the front view of the drive should be level on both the right and left sides and the fit should be snug.

> △ **CAUTION:** Do not carry the drive by the drive height converter. If the attachment is not secure, the drive may fall, resulting in damage to the drive. This will void any drive warranty.