

UltraBook Technical Tips

UltraBook Internal IDE Disk Drive Address Change

Problem:

I intend to install/upgrade the OS on the UltraBook from Solaris™ 2.5.1 to Solaris 2.6. Are there any issues I should be aware of before doing the upgrade?

Explanation:

UltraBooks with serial numbers prior to Uxx-2000 have different drive addresses assigned to disk bays 2 and 3 to UltraBooks with serial numbers prior to Uxx-2000. Boot drives set up to mount file systems from second and third disk drives may not be able to access these file systems if swapped between older and newer systems.

Solution:

You will need to be aware of this difference when swapping drives between older and newer systems.

PRODUCT CHANGE NOTICE:

This notice is to inform Tadpole customers of a functional change made to the UltraBook product. The change involves the reassignment of internal IDE disk drive addresses. Specifically, the left rear drive bay⁽¹⁾ on the UltraBook system has been redefined to use channel 0 target 1 of the IDE interface. In Solaris, this device should be referred to as `"/dev/dsk/c0t1"`.

On previous UltraBook systems, this drive was defined as channel 1 target 0 (`/dev/dsk/c1t0`) if no SCSI device was present at boot time. If a SCSI device was present, this drive was referred to as channel 2 target 0 in Solaris (`/dev/dsk/c2t0`). The change was introduced to improve the DMA performance of the drive in this bay. Note that this change affects UltraBook systems with serial number UXX-2000 and higher.

⁽¹⁾ Left rear drive bay is bay closest to the LCD display

Summary:

| Disk id | Prior to Subsequent to Serno Uxx-2000 November 1998 | Subsequent Serno Uxx-2000 November 1998 |
|---------|---|---|
| c0t0d0 | bay1 (front left) | bay1 (front left) |
| c0t1d0 | non existent | bay2 (middle left) |
| c1t0d0 | bay2 (middle left) | bay3 (front right) |
| c1t1d0 | bay3 (front right) | non existent |

If an external SCSI device is attached & configured at boot time then the SCSI bus will be assigned controller 1. All IDE devices listed as attached to controller 1 above will then be assigned to controller 2.

If you have any questions please contact our customer service department at 800-734-7030 or by email at support@tadpole.com.