
SGI Onyx® 3000 N-Brick Addendum

This addendum explains the upgrade of your SGI Onyx 3000-series system with the N-brick. This information was not included in the -001 version of the Onyx 3000 owner's guide. The N-brick is intended only for Onyx 3000 systems using InfiniteReality (IR) graphics.

N-Brick Introduction

If you have purchased an Onyx 3000 product with more than one functional IR graphics pipe, SGI now provides an N-brick for connecting as many as four graphics pipes with one N-brick. The N-brick provides connections from the C-bricks to the graphics pipes for customers who do not require additional I-brick or X-brick interfaces. Use of an N-brick may reduce the overall "system footprint" (the number of racks required to house the Onyx 3000 system bricks).

Note: Any Onyx 3000 system to be upgraded with the N-brick must use IRIX 6.5.13 or later operating system. L1 revision 1.6.0 or later firmware is also required on all bricks in the system (not just the N-brick).

The N-brick does not change the required (one-to-one) ratio between C-bricks and IR graphics pipes. The N-brick offers no additional PCI or XIO capabilities; it functions purely to connect IR graphics pipes with C-bricks.

N-Brick Example Configurations

The Onyx 3000 configuration shown in Figure 1 depicts a possible configuration using three (4 RM) graphics pipes connected to C-bricks by way of an N-brick and I-brick.

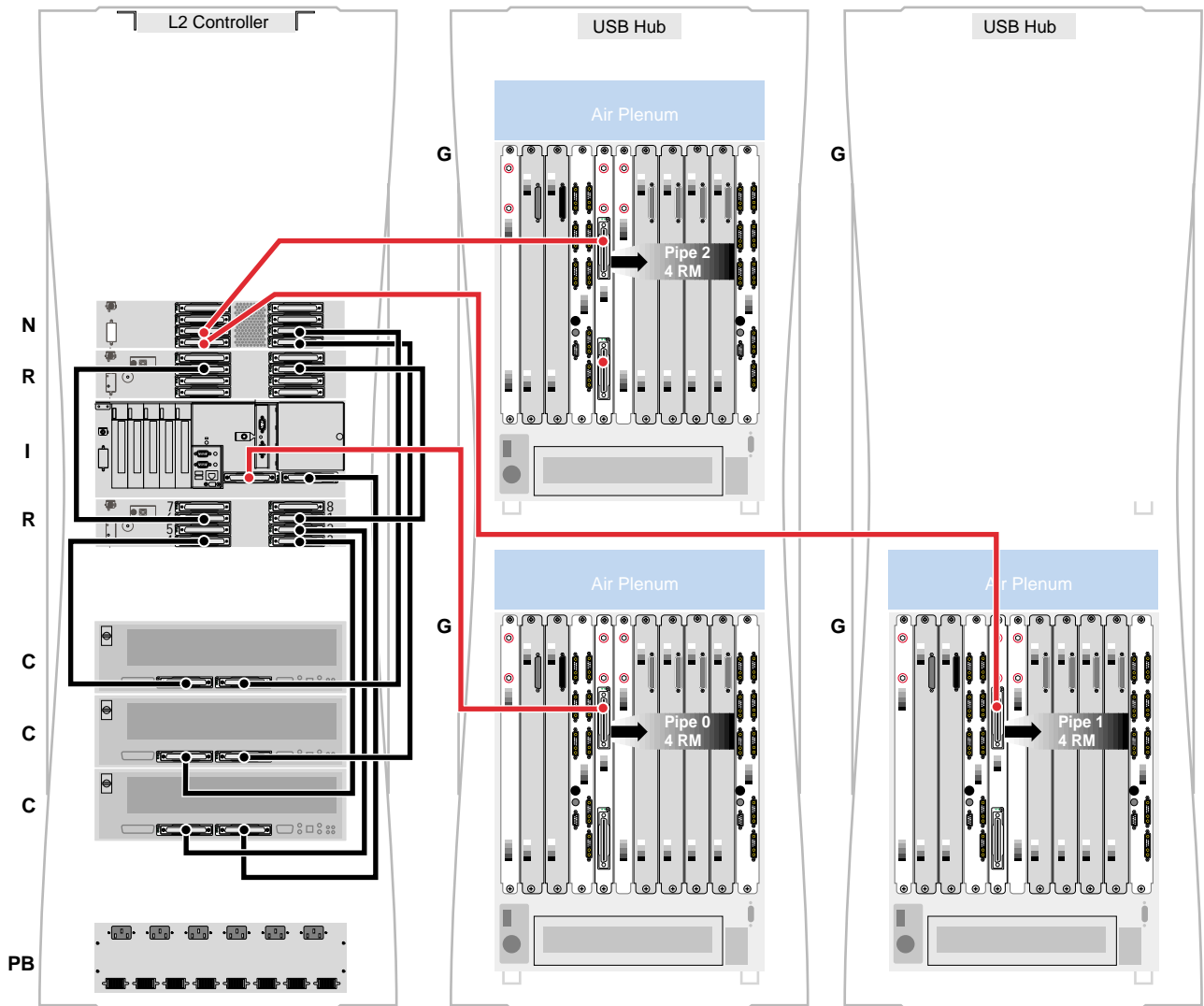


Figure 1 Three-Rack Three-Pipe Onyx 3000 Example Configuration

Figure 2 shows a three-rack system driving five graphics pipes.

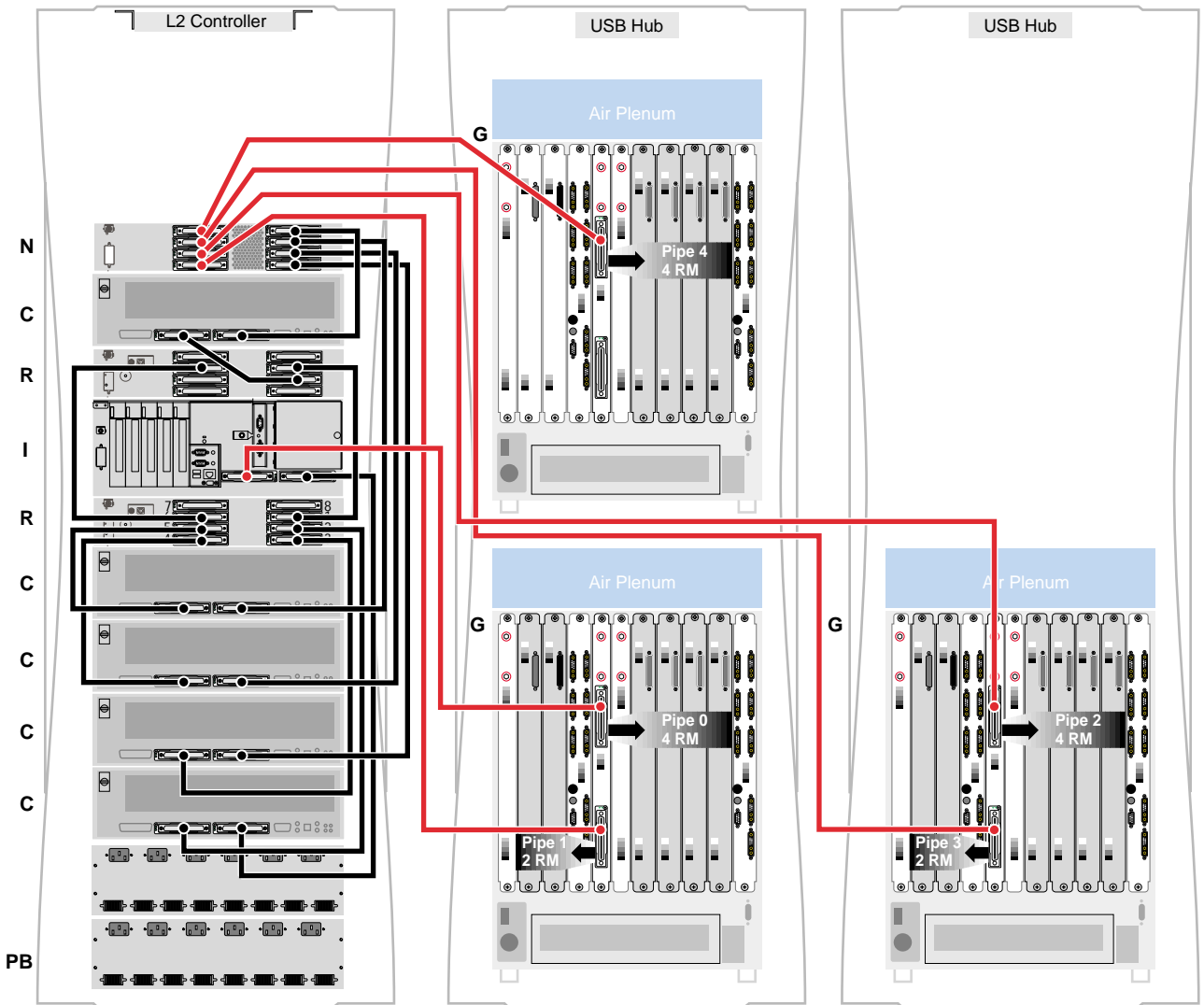


Figure 2 Three-Rack Five-Pipe Onyx 3000 Configuration Example

© 2001, Silicon Graphics, Inc. All rights reserved.

SGI and the SGI logo are trademarks of Silicon Graphics, Inc. Onyx and InfiniteReality are registered trademarks of Silicon Graphics, Inc.

Document Number 007-4424-001