

Topic: Improper Operation of Digital Link LED on Front Panel
Component(s) Affected: R1200 Blade PC
Date: January 30, 2004

OVERVIEW / ENVIRONMENT

The Digital Link LED on the front of an R1200 Blade PC, which indicates the link status with a connected C/Port, does not light up if the R1200 is pulled out of a Cage when it is in shutdown mode when shut down via the front panel power button, and then plugged back into the Cage.

DETAILED DESCRIPTION

If an R1200 Blade PC is shut down by holding down the front panel power button for 10 seconds, then pulled out of a Cage while in shutdown mode, and then plugged back into the Cage, the C/Port link LED will not light up, regardless of the status of the link.

This occurs because the SRAM-based FPGA that communicates with the C/Port loses its programming when the Blade is removed from its Cage. While in shutdown mode, a small amount of stand-by power is applied to the Blade. The FPGA is one of the components that requires stand-by power.

When the Blade is plugged back into the Cage, it should have remained in shutdown mode. However, with the loss of stand-by power, the SRAM in the FPGA loses its contents when power is removed completely.

The FPGA remains unprogrammed until the Blade is rebooted, when the BIOS reprograms it. Until that happens, the C/Port link light remains off.

RESOLUTION

Power the Blade back up using the front panel power button or the C/Port reset button.

For more information, please contact ClearCube technical support.

support@clearcube.com
support.clearcube.com
(866) 652-3400
+1 (512) 652-3400

Email address for ClearCube Technical Support
ClearCube Support Website
Direct line in the US
Direct line from outside the US