

Topic: R1200 BIOS Update Version 3.9
Component(s) Affected: R1200 Blades
Date: May 5, 2006

OVERVIEW / ENVIRONMENT

An updated BIOS for the R1200 Blade adds microcode updates for Prescott G1 processors and enhances certain Blade functionality. This Technical Bulletin supersedes these Technical Bulletins:

- *Technical Bulletin TB0037OJ, R1200 BIOS Update*
- *Technical Bulletin TB0115SH, Updated R1200 BIOS Enhances Features, Usability*
- *Technical Bulletin TB0163TM, Updated R1200 BIOS Corrects Mass Storage Lockout*
- *Technical Bulletin TB0179TM, R1200 BIOS Update Version 3.5*

which detailed the 2.01, 3.0, 3.1, and 3.5 versions of the BIOS, respectively.

DETAILED DESCRIPTION

The BIOS for the R1200 Blade has been updated to version 3.9. This version adds microcode updates for Prescott G1 processors (microcode revision 03); and adds remote wake functionality by updating the BPIC code to version 2.40 and the USB code version to P4M37.

Note: Installing previous BIOS versions is not recommended. Versions previous to 3.9 are not supported on G1 Prescott processors. Versions previous to 3.1 are not supported on E0 Prescott processors. Versions previous to 3.0 installed on any Prescott processor Blade will void your warranty and cause the Blade to fail, and will require returning the Blade to ClearCube for repair.

RESOLUTION

To update your BIOS to version 3.9, you need the following:

- USB floppy drive
- Bootable DOS floppy disk
- The update BIOS file `SFT39U16.WPH`
- The `phlash16.exe` flash utility

To update your BIOS, do the following:

1. Download the `SFT3_9.zip` file from the ClearCube Support website. This file contains the BIOS update, the `phlash16.exe` flash utility, this Technical Bulletin, and text file notes on the BIOS update.
2. Plug the USB floppy drive into the USB port on the front of your Blade, and insert the boot floppy disk.
3. Unzip this file and copy the `phlash16.exe` and `FT39U16.WPH` files to a bootable floppy drive.
4. Restart your system on the floppy drive and enter the following command:
`phlash16 SFT39U16.WPH`
5. After upgrading to the `SFT39U16.WPH` BIOS, shut down and restart the Blade when the upgrade has completed. Disregard the `phlash16` on-screen message `press any key to restart...`

For more information, please contact ClearCube technical support.

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