

Topic: R1200 BIOS Update Version 3.5
Component(s) Affected: R1200 Blades
Date: December 16, 2005

OVERVIEW / ENVIRONMENT

An updated BIOS for the R1200 Blade adds microcode updates for Prescott D0 and E0 processors, 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 TB0163TN, Updated R1200 BIOS Corrects Mass Storage Lockout*
- which detailed the 2.01, 3.0, and 3.1 versions of the BIOS, respectively.

DETAILED DESCRIPTION

The BIOS for the R1200 Blade has been updated to version 3.5. This version adds microcode updates for Prescott D0 and E0 processors, and updates the BPIC code to version 2.39, enhancing certain Blade functions.

Note: Installing previous BIOS versions is not recommended. 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 3.5, you need the following:

- USB floppy drive
- Bootable DOS floppy disk
- The update BIOS file `SFT35U16.WPH`
- The `phlash16.exe` flash utility

To update your BIOS, do the following:

1. Download the `SFT3_5.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 `FT35U16.WPH` files to a bootable floppy drive.
4. Restart your system on the floppy drive and enter the following command:

```
phlash16 SFT35U16.WPH
```

5. After upgrading to the `SFT35U16.WPH` BIOS, shut down and restart the Blade when the upgrade has completed. Disregard the `phlash16` on-screen message `press any key to restart...`

Note: The **Wake From Shutdown** via keyboard/mouse function is disabled by default. If this functionality is desired, it should be enabled in the **Power** tab of the new BIOS.

For more information, please contact ClearCube technical support.

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