

**Topic:** Updated R1200 BIOS Enhances Features, Usability  
**Component(s) Affected:** R1200 Blades  
**Date:** August 3, 2005

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## OVERVIEW / ENVIRONMENT

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An updated BIOS for the R1200 Blade provides enhanced functionality and corrects a number of issues with the previously released BIOS. This Technical Bulletin supersedes *Technical Bulletin TB00370J, R1200 BIOS Update*, which detailed the 2.01 version of the R1200 BIOS.

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## DETAILED DESCRIPTION

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The BIOS for the R1200 Blade has been updated to version 3.0. This new version corrects a previous issue described in *SE00650J, R1200 with MGA5 Video Card Ignores F10 Key on Bootup*. This version adds support for Prescott and other processors. It includes the updated Intel boot agent (Intel version 1.2.26) that supports Preboot Execution Environment (PXE) and Remote Program Load (RPL). Finally, it adds **Wake From Shutdown** via keyboard/mouse.

**Note:** Prescott and Celeron processors require 2.01 or higher. Downgrading the BIOS on these systems will require a factory repair at customer expense. Downgrading is not recommended in any case.

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## RESOLUTION

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To update your BIOS, you need the following:

- USB floppy drive
- Bootable DOS floppy disk
- The update BIOS file `SFT30U16.WPH`
- The `phlash16.exe` flash utility

To update your BIOS, do the following:

1. Download the `SFT3_0.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 USP port on the front of your Blade, and insert the boot floppy disk.
3. Unzip this file and copy the `phlash16.exe` and `FT30U16.WPH` files to a bootable floppy drive.
4. Restart your system on the floppy drive and enter the following command:  
`phlash16 SFT30U16.WPH`
5. After upgrading to the `SFT30U16.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 functionality needs to be enabled in the **Power** tab of the new BIOS. This function is disabled by default.

For more information, please contact ClearCube technical support.

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