

Topic: R1200 BIOS Update
Component(s) Affected: R1200 PC Blade
Date: 29 October 2004

OVERVIEW / ENVIRONMENT

The BIOS for the R1200 Blade PC has been updated to add and improve functionality.

DETAILED DESCRIPTION

An updated BIOS for the R1200 is available as a public download from the ClearCube support website. Its installation provides the enhancements detailed in this Technical Bulletin. The following R1200 functionality is added or enhanced:

- Includes revised microcode to support Prescott and Celeron D processors.
- Incorporates support for RPL.
- Includes support for ST Micro as a flash chip for containing BIOS.
- Fixes “hibernate” issues previously seen in BIOS 1.6.
- Includes the latest Altera code (P4M33U17 and P4M33U18) for improved USB OHCI controller performance. This OHCI controller code fixes the Blade link light from staying green when the C/Port is unplugged.
- Adds code to autodetect the version of Altera firmware and reload it if it's “down rev.”
- Contains latest BPIC code, version SF_BPIC_2_34.
- Adds a two-second timeout for the USB stack in order to properly enumerate Bloomberg thumbprint scanner.

To update your BIOS, do the following:

1. Verify your BIOS version by restarting your system and checking the BIOS message while it restarts. If your BIOS is 1.6 or lower, you should update your BIOS. If it is version 2.01, you have the latest version.
2. Download the new BIOS installer program from the ClearCube support website at <http://www.support.clearcube.com/>. Verify that the filename is R1200-SFT2.01.zip.
3. Insert a DOS bootable floppy into your floppy drive.
4. Double-click on the R1200-SFT2.01.zip file.
5. From the WinZip Self-Extractor dialog, click the **Unzip** button.
6. When the message “2 file(s) unzipped successfully” is displayed, click the **OK** button.
7. Click the **Close** button.
8. With the floppy disk in, restart your computer.
9. Upon restart, the computer will boot from the floppy drive and automatically update the motherboard's BIOS. Follow the onscreen instructions. If you have any problems during the update process please call 866-652-3400 or e-mail support@clearcube.com for assistance.

Note: The 2.01 BIOS version is required for R1200 Blade PCs with Celeron processors.