



BIOS Update Readme

BIOS Update Instructions for Intel® Desktop Boards

This document provides installation instructions for the options available for updating your system to the latest BIOS version.

There are up to four methods of updating the Intel® Desktop Board BIOS to the latest version. You only need to use one.

- Express BIOS Update
- Iflash BIOS Update
- ISO Image BIOS Update
- Recovery BIOS Update

Instructions for Express BIOS Updates

Self-extracting Windows*-based update file includes Software License Agreement and the utility for updating the BIOS. It is designed to be used on Windows* systems.

1. Save the Express BIOS update file to a temporary directory on the target PC.
2. Double-click the *.EXE file to run the Express BIOS update.

CAUTION!!! DO NOT POWER DOWN YOUR SYSTEM before the update is complete. This update will take up to 3 minutes.

NOTE: Before updating the BIOS on the Intel® Desktop Board, manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update.

For additional information on Express BIOS Updates, refer to Intel Express BIOS Update.

Instructions for Iflash BIOS Updates

The DOS-based Iflash utility updates the BIOS regardless of operating system. It requires a blank floppy diskette.

1. Save the iFlash BIOS update file to a temporary directory.
2. Double-click the *.EXE to extract necessary files.
3. Double-click the RUN.BAT file.
4. Boot the target PC with the floppy disk in the floppy drive to automatically launch the iFlash BIOS update process.

CAUTION!!! DO NOT POWER DOWN YOUR SYSTEM before the update is complete. This update will take up to 3 minutes.

NOTE: Before updating the BIOS on the Intel® Desktop Board, manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update.

For additional information on using the Iflash utility, refer to BIOS Upgrades.

Instructions for ISO Image BIOS Updates

The ISO Image BIOS Update allows for the update of an Intel® Desktop Board BIOS to the latest production release regardless of the operating system installed on the computer's hard drive and without the need to remove the BIOS configuration jumper. It requires a blank CD and a read/writeable CD drive.

The image boots to the FreeDOS* operating system and automatically launches a script to upgrade the board's BIOS via the Iflash utility. This method may be used to update the BIOS on an Intel® Desktop Board running the Linux* operating system.

Instructions to upgrade the BIOS using the ISO image:

1. Download the ISO image file and burn it to a blank CD (read/writeable).
2. Insert the CD in the CDROM drive of the computer to be upgraded and boot the system.
3. Press the ENTER key when presented with the "Press ENTER to continue booting from CD-ROM" prompt (system will boot from hard drive if no key is pressed within 15 seconds).
4. Press any key at the "Welcome to the Intel Desktop Board BIOS Upgrade CD-ROM" page to confirm the BIOS upgrade operation.
5. Wait for the BIOS upgrade process to complete.

CAUTION!!! DO NOT POWER DOWN YOUR SYSTEM before the update is complete. This may take up to 5 minutes.

Note: Source code for the open source software used is available at Intel's Download Center at <http://aiedownload.intel.com/df-support/9730/eng/FDOEMCD.source.zip>.

Instructions for Recovery BIOS Updates

In the unlikely event that a BIOS update is interrupted, it is possible the BIOS may be left in an unusable state. Recovering from this condition requires the following steps (be sure a floppy drive is connected as drive A):

The recovery process requires the chassis to be opened to move the onboard BIOS Configuration Jumper.

WARNING: This process is intended to be performed by a trained technician.

Note: The floppy disk does NOT need to be bootable, however, it must be formatted.

1. Copy the recovery file (*.bio) to a formatted floppy diskette.
2. Place the diskette in the floppy drive (drive A) of the target system.
3. Remove the BIOS Configuration Jumper. See the Technical Product Specification for details including the location of this jumper.
4. Power the system on.
5. Wait 2-5 minutes for the update to complete. When the floppy drive LED is lit, the system is copying the recovery code into the FLASH device.
6. System will either turn off when the recovery process is completed or it will prompt you to turn off the system.
7. Remove floppy disk from drive A:
8. Replace the BIOS Configuration Jumper.
9. Restart system.

NOTE: If the error message "CMOS/GPNV Checksum Bad...Press F1 to Run SETUP" appears during boot, then press [F1] to go into the "BIOS Setup Utility", press [F9] to load setup defaults, and then press [F10] to save and exit.
