



Intel® iFlashV External User Guide

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1 Document Information

1.1 Purpose

This document provides information for the use of the Intel iFlashV for updating system BIOS. Replaces several features of the Intel iTK 6.1.8 toolset

1.2 Overview

iFlashV is a package of utilities used to update the system BIOS under various operating systems.

1.3 iFlashV APTIO Features

This list of features is supported by command line, command prompt, EFI Shell, or BSD/Linux shell.

- Flash ROM image
- Command line operating

Notifications

1. BIOS update may have some potential risks so that INTEL suggests closing all programs users are processing and stopping the anti-virus software temporarily!
2. Please DO NOT power off or restart the computer device when the system is reading BIOS or updating BIOS!
3. To avoid failing in BIOS update, please DO NOT remove the hard disk or USB or any devices. When users update BIOS in any inappropriate way, that incorrect behavior will result in BIOS crash and the computer devices cannot be powered on.

2 Requirements

2.1 Supported Operating Systems

iFlashV is supported by the following operating systems:

1. Microsoft® Windows® 10
2. EFI Shell Environment
3. Linux select Flavors

iFlashV for Windows:

iFlashVWin32.exe is supported on the Windows 32 Bit. It requires the Windows platform driver amifldr32.sys.

iFlashVWin64.exe is supported on Windows 64 Bit. It requires the Windows platform driver amifldr64.sys.

iFlashV for EFI:

iFlashVEfi32.efi: is supported in EFI shell.

iFlashVEfi64.efi: is supported in EFIx64 shell.

iFlashV for Linux:

iFlashVLnx32: is supported in Linux 32 Bit operation system.

iFlashVLnx64: is supported in Linux 64 Bit operation system.

2.2 Firmware Requirements

The iFlashV application requires that the input file be a BIOS Flash Update Capsule file (e.g. IN0026.CAP) for the usage of BIOS update.

3 iFlashV Operation

3.1 Usage

The iFlashV application operates in command line mode. The below command structures are supported:

3.1.1 Options

The optional field is used to supply more information for flashing BIOS ROM. Following lists the supported optional parameters and format:

- /Q	Silent execution
- /K1	Program the non-critical block for Splash Screen Logo update
- /A:	OEM Activation file
- /OAD	Delete OEM Activation Key
- /JBC	Don't Check AC adapter and battery
/cmd:"{OAID:OEMID:OEMTBLID}"	Input of the OEM ID and OEMTABLE ID that will be associated with the key. The OEM ID must be 6 characters and the OEM Table ID must be 8 characters. If ID string is less than 6 or 8, please fill with spaces.

Rules

- Any parameter enclosed by < > is a mandatory field.
- Any parameter enclosed by [] is an optional field.

3.1.2 BIOS Update

The BIOS update operation has the following syntax:

iFlashV <BIOS Flash Update Capsule file> [/Q] [/JBC]

3.1.3 POST Splash Screen Logo Update

The Splash Screen Logo update operation has the following syntax:

iFlashV <BIOS Flash Update Capsule file> </K1> [/JBC]

This command will update the logo image from the input BIOS Flash Update Capsule file.

The Intel iCHLogo application can use to generate a new BIOS Flash Update Capsule file with new logo image replacement.

3.1.4 OEM Activation file

This command usage is for /A command which inserts a specific OEM activation key into the empty key inside current system BIOS. The command line is as follows:

iFlashV /A: <OEM Activation Key Bin File Name> [/cmd:"{OAID:OEMID:OEMTBLID}"]

Where OEM Activation Key Bin File Name is used to specify path/filename of the OEM activation key file with extension. Please make sure that the OEM Activation Key region is empty before inserting the key, or please perform /OAD command before insertion.