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About This Document

Purpose

This document describes how to upgrade images and port code by using a USB flash drive or SD card, including creating upgrade packages and automatically or manually upgrade images. This document also describes the precautions to be taken when you upgrade images.



NOTE

The Hi3520D, Hi3515A, Hi3536, Hi3521A, Hi3520DV300 and Hi3535 support the image upgrade by using only the USB flash drive. Unless otherwise specified, this document applies to the Hi3516A and Hi3516D.

Unless otherwise specified, this document applies to the Hi3521A and Hi3520DV300. Unless otherwise specified, this document applies to the Hi3518E V201, Hi3516C V200 and Hi3518E V200.

Related Versions

The following table lists the product versions related to this document.

Product Name	Version	Remarks
Hi3516C	V100	None
Hi3518	V100	The Hi3518 indicates the Hi3518A or Hi3518C.
Hi3518E	V200	The Hi3518E indicates the Hi3518E V200, Hi3518E V201 or Hi3516C V200.
Hi3520A	V100	None
Hi3521	V100	None
Hi3531	V100	None
Hi3531A	V100	Hi3531A does not support the image upgrade by using the SD card.
Hi3520D	V100	The Hi3520D does not support the image upgrade by using the SD card.
Hi3515A	V100	The Hi3515A does not support the image upgrade by using the SD card.
Hi3535	V100	The Hi3535 does not support the image upgrade by using the SD card.



Product Name	Version	Remarks
Hi3516A	V100	None
Hi3516D	V100	None
Hi3536	V100	The Hi3536 does not support the image upgrade by using the SD card.
Hi3521A	V100	The Hi3521A does not support the image upgrade by using the SD card.
Hi3520D	V300	The Hi3520DV300 does not support the image upgrade by using the SD card.
Hi3519	V100	None
Hi3519	V101	None
Hi3516C	V300	None






Intended Audience

This document is intended for:

- Technical support personnel
- Software development engineers

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 DANGER	Alerts you to a high risk hazard that could, if not avoided, result in serious injury or death.
 WARNING	Alerts you to a medium or low risk hazard that could, if not avoided, result in moderate or minor injury.
 CAUTION	Alerts you to a potentially hazardous situation that could, if not avoided, result in equipment damage, data loss, performance deterioration, or unanticipated results.
 TIP	Provides a tip that may help you solve a problem or save time.
 NOTE	Provides additional information to emphasize or supplement important points in the main text.



Change History

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made in previous issues.

Issue 08 (2016-08-31)

This issue is the eighth official release, which incorporates the following changes:
The description of the Hi3516C V300 is added.

Issue 07 (2016-08-10)

This issue is the seventh official release, which incorporates the following changes:
The description of the Hi3519 V101 is added.

Issue 06 (2015-10-31)

This issue is the sixth official release. The description of the Hi3519 V100 is added.

Issue 05 (2015-09-01)

This issue is the fifth official release. The description of the Hi3531A is added.

Issue 04 (2015-08-05)

This issue is the fourth official release. The description of the Hi3518E V200, Hi3518E V201, and Hi3516C V201 are added.

Issue 03 (2015-06-26)

This issue is the third official release. The description of the Hi3521A and Hi3520D V300 are added.

Issue 02 (2015-04-01)

This issue is the second official release. The description of the Hi3536 is added.

Issue 01 (2014-12-30)

This issue is the sixth draft release. The description of the Hi3516D is added.

Issue 00B40 (2014-10-19)

This issue is the fifth draft release. The description of the Hi3516A is added.

Issue 00B30 (2013-11-18)

This issue is the fourth draft release.

Issue 00B20 (2013-05-09)

This issue is the third draft release.



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1 Upgrading Images Under the U-boot

1.1 Preparations

Do as follows before upgrading images by using an SD card or USB flash drive:

- Enable the upgrade switch in the code to compile the U-boot image that supports the system upgrade.
- Create images for upgrading.
- Obtain the storage medium such as the USD flash drive or SD card in FAT32 format.

1.2 Upgrade Workflow

[Figure 1-1](#) shows the U-boot upgrade workflow.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/118074026125006101>