

## utl-flash

*Flash Utility*

### Syntax:

utl-flash [options] [action] [tasks] ...

### Options:

These options can be combined with any other command line parameter:

**-B** *address*

Hexadecimal physical base address of the flash bank to use (e.g. 0x40000000). The default is 0x00000000.

**-o** *offset*

Offset of the first flash sector to use (e.g. 0x01000000). The default is 0x00000000.

**-v**

Verbose output for debugging purposes.

### Action:

Only one of the following actions can be specified:

**-i**

Display flash information only.

**-F** *filename*

Specify to write or verify a data file. The complete path to a data file which should be written or verified.

**-s** *size*

The size of a fixed size part of the flash memory to work with (combined only with **-U**, **-E** or **-L**).

### Tasks:

Tasks to perform (combined with **-F** or **-s**). Multiple tasks can be specified to run consecutively.

**-U**

Unlock the flash blocks.

**-E**

Erase the flash blocks.

**-W**

Write file data to the flash.

**-L**

Lock the flash blocks.

**-V**

Verify file data with flash data.

## Description:

The utility is used to modify flash memory data out of the normal operating system context. Specifying multiple task options, a short sequence of actions can be performed with a single utility call.

## Examples:

Write data file `ipl.bin` beginning at start address `0x40000` - unlock the necessary flash blocks, erase the blocks first, write file data to the flash, lock the flash blocks again and finally verify the write operation:

```
utl-flash -O0x40000 -Fipl.bin -UEWLV
```

Unlock and erase 512k flash memory starting at `0x40000`:

```
utl-flash -O0x40000 -S0x80000 -UE
```

## Technical Support and Distribution:

To obtain technical support for this product, please contact:

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