AVR® Fuse Calculator

Welcome to the classic AVR Fuse Calculator. There is also an ALPHA version of a new fuse configurator, called confFUSE™, which utilizes an **up-to-date device database**. If you want to give it a try, switch to **confFUSE™** (/conffuse). But be warned: That new version is barely tested!

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Device selection

Select the AVR device type you want to configure. When changing this setting, default fuse settings will automatically be applied.

Presets (hexadecimal representation of the fuse settings) can be reviewed and even be set in the last form at the bottom of this page.

AVR part name: ATtiny4313 ✓ Select (141 parts currently listed)

Feature configuration

This allows easy configuration of your AVR device. All changes will be applied instantly.

Features				
Ext. Crystal Osc.; Frequency 8.0- MHz; Start-up time: 14 CK + 4.1 ms; [CKSEL=1111 SUT=10]				
☐ Clock output on PORTD2; [CKOUT=0]				
☐ Divide clock by 8 internally; [CKDIV8=0]				
☐ Reset Disabled (Enable PA2 as i/o pin); [RSTDISBL=0]				
Brown-out detection disabled; [BODLEVEL=111] ✓				
☐ Watch-dog Timer always on; [WDTON=0]				
✓ Serial program downloading (SPI) enabled; [SPIEN=0]				
☐ Preserve EEPROM memory through the Chip Erase cycle; [EESAVE=0]				
☐ Debug Wire enable; [DWEN=0]				
Self programming enable; [SELFPRGEN=0]				

Apply feature settings

Manual fuse bits configuration

This table allows reviewing and direct editing of the AVR fuse bits. All changes will be applied instantly. Note:

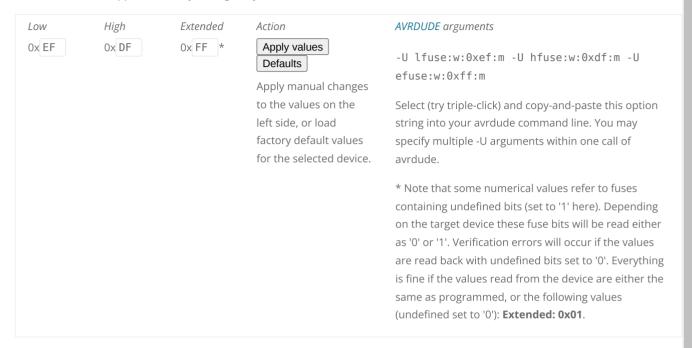
means unprogrammed (1);
means programmed (0).

Bit	Low	High	Extended
7	☐ CKDIV8	□ RSTDISBL	
	Divide clock by 8	External reset disable	
6	□ скоит	□ DWEN	
	Clock output	debugWIRE Enable	
5	☐ SUT1	✓ SPIEN	
	Select start-up time	Enable Serial programming and Data Downloading	
4	✓ SUT0	□ WDTON	
	Select start-up time	Watchdog Timer Always On	
3	☐ CKSEL3	□ EESAVE	
	Select Clock Source	EEPROM memory is preserved through chip erase	
2	☐ CKSEL2	☐ BODLEVEL2	
	Select Clock Source	Brown-out Detector trigger level	
1	☐ CKSEL1	□ BODLEVEL1	
	Select Clock Source	Brown-out Detector trigger level	
0	☐ CKSEL0	□ BODLEVEL0	☐ SELFPRGEN
	Select Clock Source	Brown-out Detector trigger level	Self Programming Enable

Apply manual fuse bit settings

Current settings

These fields show the actual hexadecimal representation of the fuse settings from above. These are the values you have to program into your AVR device. Optionally, hemelogodidriib (http://color/lib.dom/). Rowened by Word Press (http://wofiguressiong/)o these values. Changes in the value fields are applied instantly (taking away the focus)!



References

All information based on database ATtiny4313.xml build 1.

Unreviewed original XML backend database from Atmel. Probably buggy! Please report.

No responsibility is taken for the correctness of the presented information.

Convigant @ 2006-2021 Mark Hämmarling. This is a free convice of Enghadded Has at your own risk