Engbedded Atmel AVR® Fuse Calculator

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.

Feature	configuration

This al	lows easy configuration of	your AVR device. All changes will be applied instantly.				
Feat	ures					
Ex	ct. Full-swing C	rystal;	16K CK/14 CK + 65 ms; [CKS			
	Clock output on PORTB0; [CKOUT=0]					
	Divide clock by 8 internally; [CKDIV8=0]					
✓	Boot Reset vector Er	nabled (default address=\$0000); [BOOTRST=0]				
Во	Boot Flash section size=1024 words Boot start address=\$3C00; [BOOTSZ=01]					
✓	Preserve EEPROM m	emory through the Chip Erase cycle; [EESAVE=0]				
	Watch-dog Timer always on; [WDTON=0]					
✓	Serial program downloading (SPI) enabled; [SPIEN=0]					
	Debug Wire enable; [DWEN=0]					
	Reset Disabled (Enal	ble PC6 as i/o pin); [RSTDISBL=0]				
Br	own-out detec	tion level at VCC=4.3 V; [BODLEVEL=10	00] \$			
Ma	nual fuse bits co	onfiguration	Apply feature settings			
		rect editing of the AVR fuse bits. All changes will be applied instantly.				
Note:	means unprogramme					
Bit	Low	High	Extended			
7	СКДІМ	RSTDISBL				
6	Divide clock by 8	External reset disable				
	Clock output	debugWIRE Enable				
5	SUT1 Select start-up time	SPIEN Enable Serial programming and Data Downloading				
4	SUT0 Select start-up time	WDTON Watchdog Timer Always On				
3	CKSEL3 Select Clock Source	EEPROM memory is preserved through chip erase				
2	CKSEL2 Select Clock Source	BOOTSZ1 Select boot size	BODLEVEL2 Brown-out Detector trigger level			

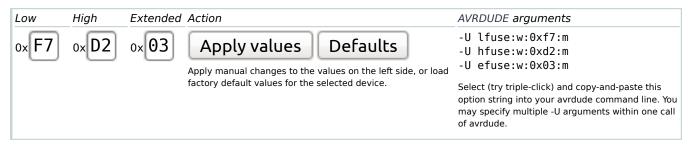
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1	CKSEL1 Select Clock Source	BOOTSZ0 Select boot size	BODLEVEL1 Brown-out Detector trigger level
0	CKSEL0 Select Clock Source	BOOTRST Select reset vector	BODLEVELO Brown-out Detector trigger level

Current settings

Apply manual fuse bit 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, you may fill in the numerical values yourself to preset the configuration to these values. Changes in the value fields are applied instantly (taking away the focus)!



References

All information based on database **ATmega328P.xml** build **1**. Unreviewed original XML backend database from Atmel. Probably buggy! Please report.

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If you find bugs in the user interface or the database backend(s), please report them.

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