# **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.

AVR part name: ATmega32A Select (141 parts currently listed)

### Feature configuration

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

Ext. Clock; Start-up time: 6 CK + 0 ms; [CKSEL=0000 SUT=00]

Brown-out detection enabled; [BODEN=0]

Brown-out detection level at VCC=2.7 V; [BODLEVEL=1]

Boot Reset vector Enabled (default address=\$0000); [BOOTRST=0]

Boot Flash section size=2048 words Boot start address=\$3800; [BOOTSZ=00]; defaul

Preserve EEPROM memory through the Chip Erase cycle; [EESAVE=0]

CKOPT fuse (operation dependent of CKSEL fuses); [CKOPT=0]

Serial program downloading (SPI) enabled; [SPIEN=0]

JTAG Interface Enabled; [JTAGEN=0]

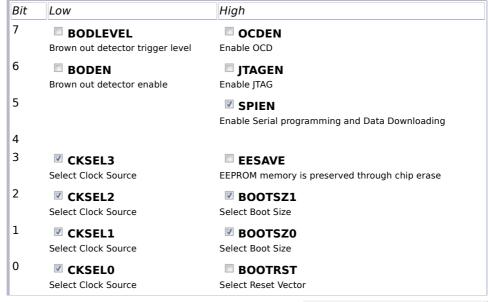
On-Chip Debug Enabled; [OCDEN=0]

### Manual fuse bits configuration

Apply feature settings

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).



# **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)!

Low	High	Action		AVRDUDE arguments
<b>0</b> x C0	<b>0</b> x D9 *	Apply values  Apply manual chang on the left side, or lo default values for the	ad factory	-U lfuse:w:0xc0:m -U hfuse:w:0xd9:m  Select (try triple-click) and copy-and-paste this option string into your avrdude command line. You may specify multiple -U arguments within

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