

Welcome to AVR Studio 4.19 (08/2011)

Please see [release history](#) for information about earlier releases.

Prerequisites: Note that the AVR Studio 4.19 is a complete installation and contains all previous service Packs (SP).

Part support

The following new parts have been added to AVR Studio since 4.18 SP3:

-ATtiny84A,ATtiny1634,ATmega3250PA,ATmega325PA,ATmega3290PA,ATXMEGA16A4U,ATXMEGA32A4U,ATXMEGA64A3U,ATXMEGA128A3U,ATXMEGA192A3U,ATXMEGA256A3U,ATXMEGA256A3BU

Check the device matrix to see which devices are supported by which tools: [See a list of all supported devices and tools here](#).

The following additional devices are supported by simulator2 in AVR Studio 4.19:

- * ATtiny24 / ATtiny24A
- * ATtiny44 / ATtiny44A
- * ATtiny84 / ATtiny84A
- * ATtiny26
- * ATmega8 / ATmega8A
- * ATmega16 / ATmega16A
- * ATmega32 / ATmega32A
- * ATmega64 / ATmega64A
- * ATmega2560
- * ATmega2561
- * ATmega640

Bug Fixes

- 13075 - avrdragon.exe not able generate .cac file in Windows 7 64 bit
- 13735 - AVRISPMkII: STK500 command line utility doesn't correctly verify fuses for ELF files
- 12257 - Only SP1 includes QT600Upgrade, SP2 and SP3 does not include
- 11109 - ATtiny261/461/861 PINA register does not work correctly
- 13434 - External interrupt rising flank on tiny2313 triggers on both flanks
- 13959 - External interrupt rising flank on xmega128a1 triggers on both flanks
- 12515 - Xmega16D4 is not setting ADC MUX registers
- 14565 - Wrong PC mask in ATmega32 model
- 14622 - Timer 0 output compare & overflow interrupts don't work on ATmega64

Known Issues

- ATmega8: Problem with Waveform Generation Mode bits -> AVR Tools-Simulator-Known Issues
- Autodetection of wrong device selected by user in a debug session is not working for all variants (P, PA, A) of the following devices:
ATmega165, ATmega169, ATmega645, ATmega649, ATmega325, ATmega329
Workaround: Make sure the selected device matches the target device used.

Note

Windows 95 is no longer supported by AVR Studio. The most recent version that supported Windows 95 was AVR Studio 4.12 SP3.
Windows 98 is no longer supported by AVR Studio. The most recent version that supported Windows 98 was AVR Studio 4.16 SP1.

See also

[Tools and device support](#)
[Known issues](#)
[ICE50 User guide](#)
[Simulator User guide](#)
[AVRASM2 User guide](#)
[AVR GCC IDE user guide](#)