

[Home](#)[Programmers/Burners](#)[In System Programming \(ISP\)](#)[AVR ISP Programmers](#)**Selected Category: AVR ISP Programmers (For all products in category [Click Here](#))****AVRUSB Programmer****Order Code:** AVRUSB**Price:** €134.1**BUY****AVR USB Programmer with JTAG**

AVR In System Programmer (AVR ISP) for the USB port on the PC. Packed with extra features for ATtiny, AT90S and ATmega AVR microcontrollers. This AVR programmer is powered from the USB bus, has low voltage target support, is very fast and multiple programmers can run from a single PC.

NEW Features

- Software includes JTAG interface and adapter is supplied for JTAG programming
- Supports new devices including ATtiny24
- DLL and Command line versions available free see [DLL page](#)

Main Features

- AVR Programmer powered by USB bus
- Conforms to USB power requirements, including sleep
- Supports USB v1.1 protocol and USB v2.0 compatible
- Direct USB drivers not Virtual Serial Port
- Supports Win 98SE/2000/XP/ME/Vista
 - Win 95 and early Win98 should work with Microsoft USB update
 - NT4 is NOT supported, as Microsoft have not updated kernal support and no driver support is available
 - 32-bit Vista only
- Programs AVR devices from 1.8V to 5V
- Multiple programmers from one PC
- Uses Kanda standard AVRISP 10-way target interface
- JTAG programming option and adapter
- Automatic program start on insertion

Software Features

- Simple install and detection of each programmer
- Multiple programmers can be operated from a single PC screen or multiple screens
- Select ISP or JTAG from drop down list
- Full Fuse and Lockbit support on user friendly screen, with improved default values to improve device detection
- Colour coded Flash and EEPROM buffers can be edited in Hex and ASCII
- User defined serial numbering in Flash or EEPROM
- Comprehensive Check Sum support CR16/32, XOR 16/32
- Flexible Auto-program options
- Pop-up Reset on Error feature prevents errors being ignored - can be disabled
- Plug and Program mode - programmer starts automatically when new target is detected, if this mode

is set. Now with improved interface to identify programmer and operation.

- Full verify or only Verify pages with data for extra speed
- NEW Clock Source screen uses clock type not Fuse bits for ease of setting correct clock
- NEW support for Binary files, as well as Intel Hex, Motorola etc.

Contents

- AVR USB Programmer unit - 66 x 66 x 28mm (2.6 x 2.6 x 1.1 inches)
- 1.8m USB A (PC or Hub) to USB B (Programmer) cable
- 1m programming lead with Kanda 10-way target interface
- Software CD
- JTAG interface adapter
- Supplied in video case

AVR Microcontroller Support - ISP

- AT90S1200, AT90S2313, AT90S2323, AT90S2343, AT90S4433, AT90S4414, AT90S8535, AT90S8515
- ATmega16, ATmega161, ATmega162, ATmega163, ATmega164P, ATmega165, ATmega168, ATmega169
- ATmega32, ATmega323, ATmega324P, ATmega325, ATmega3250, ATmega329, ATmega3290
- ATmega48, ATmega88, ATmega8, ATmega8515, ATmega8535
- ATmega64, ATmega644, ATmega645, ATmega6450, ATmega649, ATmega6490, ATmega640
- ATmega103, ATmega128, ATmega1280, ATmega1281, ATmega2560, ATmega2561
- ATtiny12, ATtiny15, ATtiny22, ATtiny26
- ATtiny13, ATtiny2313, ATtiny24, ATtiny25, ATtiny44, ATtiny45, ATtiny84, ATtiny85
- AT90CAN32, AT90CAN64, AT90CAN128, CANDIPM162, CANDIP8515, AT90PWM2/3, AT90PWM316
- **All Low voltage (L) AVR devices are supported down to 1.8V**
- **All P (PicoPower) AVR microcontrollers are supported. Select same standard device e.g. for ATmega169P, select ATmega169**

AVR Microcontroller Support - JTAG

Only newer AVR ATmega devices with 40 pins or more have JTAG interface.

- ATmega16, ATmega162, ATmega164P, ATmega165, ATmega169
- ATmega32, ATmega324P, ATmega325, ATmega3250, ATmega329, ATmega3290
- ATmega64, ATmega128, ATmega1280, ATmega1281, ATmega2560, ATmega2561
- ATmega645, ATmega6450, ATmega649, ATmega6490, ATmega640, ATmega644, ATmega644P
- AT90CAN32*, AT90CAN64*, AT90CAN128

*Beta

DLL and command line versions for use with existing systems e.g. Labview or Visual Basic are available, see [DLL download](#)

Related Products[Plug in PC USB card](#)[USB extension cable](#)[Spare USB A-B cable](#)**6-Way adapters**

We now have adapters to convert from the standard Kanda 10-way header to different 6-way headers.

[6-Way DIL adapter](#)[6 x 1-way leads](#)[6-Way Micromatch connector](#)**JTAG Adapter and Software**

Users with older AVRUSB programmers can convert to JTAG programming with [AVR JTAG software and adapter](#)

New programmers come with JTAG Adapter

A guide to [AVR device support](#)

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[HOME](#)**Category Description**

Kanda range of AVR ISP programmers includes parallel port AVRISP programmer, serial and parallel port PSI-ISP, AVRISP-U AVR USB Programmer and AVRUSB Professional AVR USB programmer. All Kanda AVR ISP programmers have a great user interface, good AVR device support including ATmega, ATtiny and AT90S AVR microcontrollers.