

AVR-ISP-MK2- USB AVR ISP MKII COMPATIBLE AVR PROGRAMMER WITH ICSP PDI TPI
SUPPORT





INFO:

AVR-ISP-MK2 support programming of Atmel 8-bit AVR microcontrollers with ISP, PDI or TPI interfaces. Using the AVR Studio® software, designers can program tinyAVR and megaAVR devices using the ISP Interface, tinyAVR devices using the TPI interface, and AVR XMEGA devices using the PDI Interface. The AVR Studio online-help contains the most current information and a complete list of supported devices.

FEATURES

1. Tested and working with AVR Studio 4, AVR Studio 5, ATMEL Studio 6
2. connects to PC via USB 2.0 Full speed
3. no need for external power supply as it takes the power supply from USB
4. uses Atmel's 2x5 pin ICSP and 2x3 pin PDI and TPI connector layout
5. works with 5V and 3.3V targets (selectable) and can supply target with power
6. Programs both flash and EEPROM
7. Supports fuses and lock bit programming
8. Upgradeable for future device support
9. Supports target voltages from 1.8V to 5.5V
10. Adjustable ISP programming speed (50Hz to 8MHz SCK frequency)
11. dimensions 45x30 mm (1.7x1.2") + 20 cm (8") cable

SUPPORTED DEVICES:

1. **XMEGA Devices:** ATxmega16A4U, ATxmega32A4U, ATxmega64A3U, ATxmega128A3U,

ATxmega192A3U, ATxmega256A3U, ATxmega256A3BU, ATxmega64B3, ATxmega128B3, ATxmega64B1, ATxmega128B1, ATxmega16A4, ATxmega32A4, ATxmega64A4U, ATxmega128A4U, ATxmega64A3, ATxmega128A3, ATxmega192A3, ATxmega256A3, ATxmega256A3B, ATxmega64A1, ATxmega128A1, ATxmega16D4, ATxmega32D4, ATxmega64D4, ATxmega128D4, ATxmega64D3, ATxmega128D3, ATxmega192D3, ATxmega256D3

2. **MegaAVR Devices:** ATmega48, ATmega48A, ATmega48P, ATmega48PA, ATmega8, ATmega8515, ATmega8535, ATmega88, ATmega88A, ATmega88P, ATmega88PA, ATmega8A, ATmega16, ATmega162, ATmega164A, ATmega164P, ATmega164PA, ATmega165P, ATmega165PA, ATmega168, ATmega168A, ATmega168P, ATmega168PA, ATmega16A, ATmega32, ATmega324A, ATmega324P, ATmega324PA, ATmega325, ATmega3250, ATmega3250A, ATmega3250P, ATmega325A, ATmega325P, ATmega325PA, ATmega328, ATmega328P, ATmega32A, ATmega64, ATmega640, ATmega644, ATmega644A, ATmega644P, ATmega644PA, ATmega645, ATmega6450, ATmega6450A, ATmega6450P, ATmega645A, ATmega645P, ATmega64A, ATmega128, ATmega1280, ATmega1281, ATmega1284, ATmega1284P, ATmega128A, ATmega2560, ATmega2561, AT90CAN128, AT90CAN32, AT90CAN64, ATmega16M1, ATmega32M1, ATmega64M1, AT90PWM1, AT90PWM161, AT90PWM216, AT90PWM2B, AT90PWM316, AT90PWM3B, AT90PWM81, AT90USB1286, AT90USB1287, AT90USB162, AT90USB646, AT90USB647, AT90USB82, ATmega16U2, ATmega16U4, ATmega32U2, ATmega32U4, ATmega8U2, ATmega169A, ATmega169P, ATmega169PA, ATmega329, ATmega3290, ATmega3290A, ATmega3290P, ATmega329A, ATmega329P, ATmega329PA, ATmega649, ATmega6490, ATmega6490A, ATmega6490P, ATmega649A, ATmega649P
3. **tinyAVR Device:** ATtiny4, ATtiny5, ATtiny9, ATtiny10, ATtiny13A, ATtiny13, ATtiny20, ATtiny40, ATtiny24A, ATtiny24, ATtiny44A, ATtiny44, ATtiny84A, ATtiny84, ATtiny25, ATtiny45, ATtiny85, ATtiny261A, ATtiny261, ATtiny461A, ATtiny461, ATtiny861A, ATtiny861, ATtiny26, ATtiny2313A, ATtiny2313, ATtiny4313, ATtiny43U, ATtiny28L, ATtiny48, ATtiny88, ATtiny87, ATtiny167
4. **Automotive AVR Devices:** AT32UC3C0512C, AT32UC3C1512C, AT32UC3C2512C, ATtiny24, ATtiny44, ATtiny84, ATtiny25, ATtiny45, ATtiny85, ATtiny87, ATtiny88, ATtiny167, ATtiny261, ATtiny461, ATtiny861, ATmega48, ATmega88, ATmega168, ATmega328P, AT90CAN32, AT90CAN64, AT90CAN128, ATmega32C1, ATmega64C1, ATmega16M1, ATmega32M1, ATmega64M1, ATmega164P, ATmega324P, ATmega644P, ATmega169P, ATmega48PA, ATmega88PA, ATmega168PA

DOCUMENTS:

1. AVR-ISP-MK2 users manual

HARDWARE:

1. [AVR ICSP 10 pin connector](#) (top view)
2. AVR TPI 6 pin connector (top view)
3. AVR PDI 6 pin connector (top view)

SOFTWARE:

1. AVR Studio
2. AVR Dude