

J-LINK V9 Summary:

J-Link is a USB powered JTAG emulator supporting a large number of CPU cores. With STM32 chip, can be updated.

Based on a 32-bit RISC CPU, it can communicate at high speed with the supported target CPUs.

J-Link is used around the world in tens of thousand places for development and production (flash programming) purposes.

J-Link is supported by all major IDEs such as IAR EWARM, Keil MDK, Rowley CrossWorks, Atollic TrueSTUDIO, IAR EWRX, Renesas HEW, Renesas e2studio, and many others. Including all models, more than 100,000 J-Links have been sold so far, making J-Link probably the most popular emulator for ARM cores and the de-facto standard.

J-LINK V9 ARM Emulator Features:

Direct download into flash memory of most popular microcontrollers supported

Supported CPUs: Any ARM7/9/11, Cortex-A5/A8/A9, Cortex-M0/M1/M3/M4, Cortex-R4, RX100/RX200/RX610/RX621/RX62N/RX62T/RX630/RX631/RX63N

Download speed up to 1 MByte/second

Supports unlimited breakpoints in flash memory! ¹More info...

Setting breakpoints in external flash memory of Cortex-M systems is possible with J-Link's Unlimited Flash Breakpoint technology only!

Supported by all major IDEs ²More info...

Free software updates ², 1 year of support

Supports concurrent access to CPU by multiple applications ³

Crossplatform support (runs on Windows, Linux, Mac OS X) ⁴

Intelligence in the emulator firmware ⁵More info...

Remote Server included. Allows using J-Link remotely via TCP/IP ⁶More info...

GDB Server included ⁷More info...

Production flash programming software (J-Flash) available ⁸More info...

Software Developer Kit (SDK) available ⁹More info...

Supports multiple target interfaces: JTAG, SWD

Supports SWV/SWO (Serial Wire Viewer / Serial wire output)

Wide target voltage range: 1.2V - 3.3V, 5V tolerant

Supports JTAG chains with multiple devices

Embedded Trace Buffer (ETB) support

Various target adapters available, including optical isolation adapter. ¹⁰More info...

RDI interface DLL available. ¹¹More info...

Fully plug and play compatible

No power supply required, powered through USB

Support for adaptive clocking

All JTAG signals can be monitored, target voltage can be measured

Target power supply: J-Link can supply up to 300 mA to target with overload protection