

# STLINK-V3 probes

## For STM8/STM32 MCUs



### Faster, more flexible probe simplifies programming and debugging

The STLINK-V3SET is an all-in-one, high-performance, debugging and programming probe for STM8 and STM32 microcontrollers.

The SWIM and JTAG/SWD interfaces let developers easily communicate with any STM8 or STM32 microcontroller on an application board.

The STLINK-V3SET also provides a Virtual COM port interface allowing the host PC to communicate with the target microcontroller through a UART as well as several bridge interfaces for programming the target MCU through the bootloader.

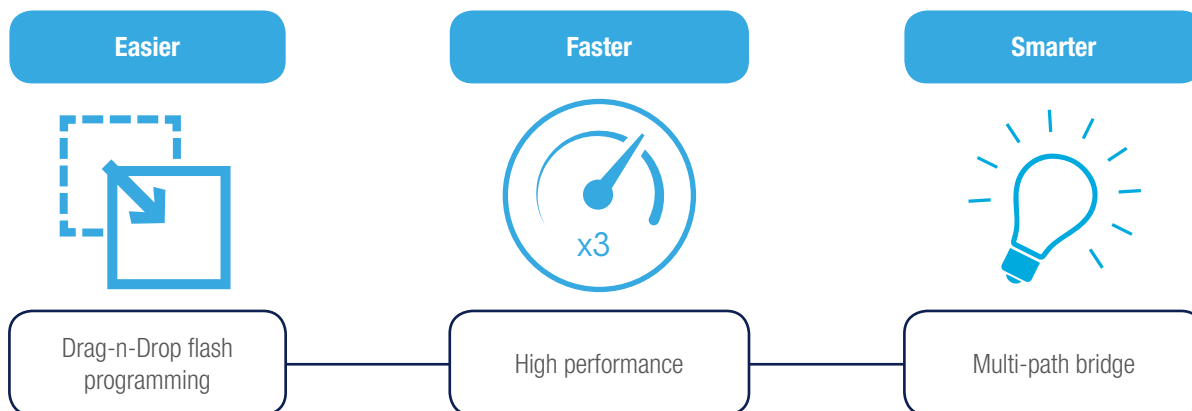
Its modular architecture based on extension cards such as the complimentary adapter board makes the STLINK-V3SET future-proof.

#### KEY FEATURES

- All-in-one probe with modular extension cards
- Self-powered through a USB connector (Micro-B) and USB 2.0 high-speed-compatible interface
- JTAG/SWD (STM32) and SWIM (STM8) debug interfaces
- Drag-n-Drop flash programming
- Virtual COM port
- Multi-path USB bridge to SPI/UART/I2C/CAN/GPIOs



## STAND-ALONE PROBE



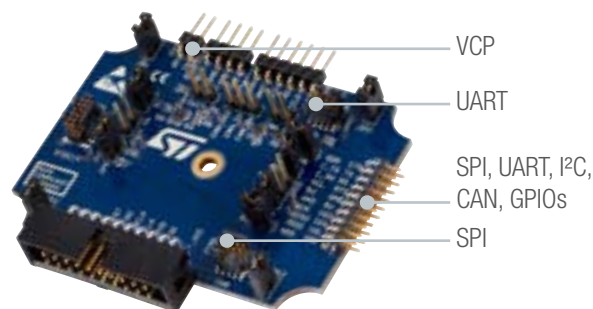
## TWO FORM FACTORS WITH STAND-ALONE SIMPLICITY

The **STLINK-V3SET** directly supports JTAG and SWD debug interfaces with an STDC14 connector coupled with MIPI10, MIPI20, and STDC14 flat cables. The complimentary adapter board adds support for the SWIM interface and provides a multi-path bridge with a variety of communication protocols (SPI, UART, I2C, CAN, and GPIOs) which helps you easily reprogram devices anywhere.

The **STLINK-V3MINI** probe is a subset of the V3SET, which supports JTAG/SWD debug interfaces and Virtual COM Port, with a compact form factor for an even more affordable price, at just \$9.75.



Order code: STLINK-V3MINI



Legend:

— Bridge

Order code: STLINK-V3SET

	MCUs supported	Casing	Bridge	Virtual COM Port	Drag-n-Drop	STDC14 connector
<b>STLINK-V3SET</b>	STM32 + STM8	√	√	√	√	√
<b>STLINK-V3MINI</b>	STM32			√	√	√

## SOFTWARE TOOLS

STM32CubeProgrammer ([www.st.com/stm32cubeprog](http://www.st.com/stm32cubeprog)) is an all-in-one multi-OS software tool for programming STM32 microcontrollers.

- easy-to-use and efficient environment for reading, writing and verifying device memory through both the debug interface (JTAG/SWD) and the bootloader interface (SPI/UART/I2C/USB).
- wide range of features to program STM32 microcontroller internal memories (such as Flash, RAM, and OTP) as well as external memories.
- allows option programming and upload, programming content verification, and microcontroller programming automation through scripting.

STM32CubeProgrammer is delivered in GUI (graphical user interface) and CLI (command-line interface) versions.



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