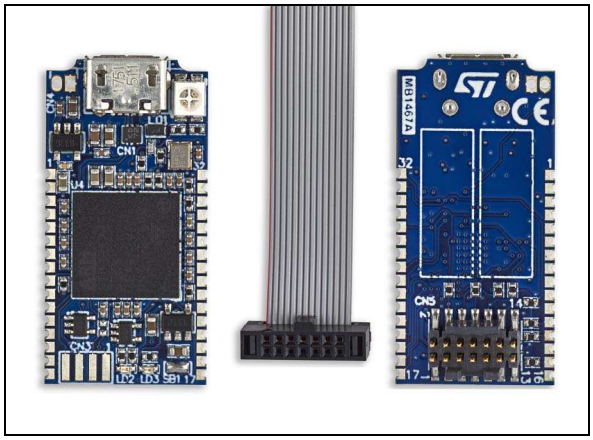
STLINK-V3MINI

STLINK-V3MINI mini debugger/programmer for STM32

Data brief

Features

- Stand-alone probe
- Approximately 15 x 30 mm high-density integration PCB
- Delivered with 1.27 mm pitch STDC14 debug connector and STDC14 to STDC14 flat cable
- Self-powered through a USB connector (Micro-B)
- USB 2.0 high-speed compatible interface
- Direct firmware update support (DFU)
- JTAG / serial wire debugging (SWD) specific features:
  - 3 V to 3.6 V application voltage support and 5 V tolerant inputs
  - JTAG communication support
  - SWD and serial wire viewer (SWV) communication support
- Virtual COM port (VCP) specific features:
  - 3 V to 3.6 V application voltage support on the UART interface and 5 V tolerant inputs
  - VCP frequency up to 15 MHz
- Drag-and-drop Flash programming
- Two color LEDs: communication, power
- Includes STDC14 signals protection



Picture is not contractual.

Description

The STLINK-V3MINI is a stand-alone debugging and programming mini probe for STM32 microcontrollers.

The JTAG/SWD interfaces are used to communicate with any STM32 microcontroller located on an application board.

The STLINK-V3MINI also provides a Virtual COM port interface allowing the host PC to communicate with the target microcontroller through one UART.

The STLINK-V3MINI is a portable version, easy-to-use debugger//programmer including STDC14 interface with its flat cable.

General information

The STLINK-V3MINI embeds an STM32 32-bit microcontroller based on the Arm®(a) Cortex®-M processor.

System requirements

- Windows® OS (7, 8 and 10), Linux® 64-bit, or macOS®(b)
- USB Type-A to Micro-B cable

Development toolchains

- Keil® MDK-ARM(c)
- IAR™ EWARM(c)
- GCC-based IDEs

Ordering information

To order the STLINK-V3MINI, refer to *Table 1*.

Table 1. Ordering information

Order code	Description
STLINK-V3MINI	STLINK-V3 in-circuit debugger and programmer for STM32 (STDC14 connector)

a. Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and or elsewhere.

b. macOS® is a trademark of Apple Inc. registered in the U.S. and other countries.

c. On Windows® only.

Revision history

Table 2. Document revision history

Date	Revision	Changes
26-Mar-2019	1	Initial release.