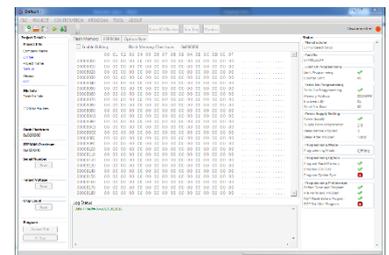# IO-FLASHER PRO – STM8

IO-FLASHER – STM8 developed in India with the help of STMicroelectronics India. IO-FLASHER PRO – STM8 is a programming tool for STM8 series microcontroller with on-chip FLASH, EEPROM and Option Byte memory with STM8 core. IO-FLASHER PRO – STM8 is designed to flash the target device in Stand Alone mode or host controller mode.

❖ *Standard Programming Connector: -* Standard 4-Pin SWIM connector compatible with STMicroelectronics STM8 Eval board programming connectors.

❖ *Offline Mode: -* Stand-alone SWIM programmer (Once set up, Flasher can be controlled without the use of PC program). Programming starts with simply button press.

❖ *Online Mode: -* Programming can be done directly from IO-FLASHER GUI.

❖ *Limit Counter: -* Limit counter can set to stop offline programming after counter reached.

❖ *Serial Number Programming: -* Any serial number can be programmed to target MCU with automatic incrementing.

❖ *Password protection: -* You can protect you programmer with a password to protect it from erase or rewriting. This will also prevent the Limit counter status.

❖ *LCD Display: -* IO-Flasher PRO– STM8 has interactive LCD Display

❖ *Program Menu: -* It stores all project settings from GUI to work independently without GUI. This Menu shows all settings done from GUI.

❖ *Interactive programming: -* LCD display Programming status, Number of chips programmed. Error codes and meaning on that error code.

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IO-FLASH GUI

❖ *Dual Mode: -* While IO-FLASHER is configured as offline mode. It's can be still used in online mode for same or different firmware code.

❖ *Programmable Power Output: -* No power supply required, Powered through USB. Target board can be power from IO-FLATHER. Output voltage can be adjusted from 0 Volt to ~5Volt depending on selected target device (up to 200mA to target with overload protection).

❖ *Target Power Sensing: -* If target is self-powered or powered from IO-FLASHER, then it can be measured by the IO-FLASHER.

❖ *In-built Protection: -* All external port protected with ESD, Short circuit and over current. Isolation is available in Isolated version of IO-FLASHER (e.g. IO-FLASHER -STM8/ISOL)

❖ *Programming Options: -* Have many programming options to program Flash, EEPROM, Option memory with auto lock feature.

❖ *Supported devices: -* Support for all STM8 devices
  o   STM8S, STM8L, STM8AF

❖ *IO-FLASHER GUI: -* Highly professional GUI with simple and user-friendly interface. Visit www.iotrue.com to download GUI for free.