Softlog Systems

Available with Secure Programming

ICP2-Portable(G3)

1 channel in-circuit service programmer

Product Overview:

Introducing the ICP2-Portable(G3), the lightweight and low-cost solution for firmware updates in the field. With a battery-powered programmer, it can be used anywhere, making it easy for technicians to reprogram multiple devices.

The unit stores up to six different environments, enabling technicians to upgrade multiple devices with a single unit. It also features fully standalone calibration and complicated script capabilities, making it ideal for any industry that requires in-field software updates.

The programmer supports popular programming interfaces, including ICSP, SWD, JTAG, UPDI, I2C, SPI, TPI, PDI, UART, Microwire, SWIM, SWI, BDM, C2, SBW, etc., and works with any silicon chip.

It is used with Microchip, ST, NXP, Renesas, Nordic, Cypress, Texas Instruments, Silicon Labs, GigaDevice, and other microcontroller vendors.

- Universal flash programmer
- Field-work programmer
- Fast programming
- 6 environments with counter
- Battery / USB / Adaptor powered
- Secure programming - innovative, multi-layer IP protection (optional)
- 24×7 Support

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High-Speed, Scalable Programming Device

- ICSP, SWD, JTAG, UPDI, I2C, SPI, TPI, PDI, UART, Microwire, SWIM, SWI, BDM, C2, SBW, etc. programming interfaces
- USB interface
- On-board 32MByte flash memory for non-volatile storage of HEX, configuration and serialization files
- Multiple serialization schemes: sequential, random, pseudo-random and user file, 1 to 8 bytes
- Vdd and Vpp overload protection
- Power supply: 3xAA batteries, USB or power adapter Dimensions: 145 x 82 x 28mm

Programmable Hardware

- Programmable Hardware
- Programmable Vdd (1.8 to 5.5V) and Vpp (1.8 to 13.5V)
- Programmable delay between Vdd and Vpp (0.1 to 250ms)
- Programmable clock/data speed (500KHz to 10MHz)
- Programmable Vdd source: ICP2-Portable(G3) or target
- Vdd current limit: 100mA

Easy-to-Use Software

- Counter that limits the number of times a HEX file can be programmed
- Fully standalone operation
- One-touch programming
- Secure programming feature including hex file encryption, counter and secure buffer (optional)
- 6 environments

On-Unit Features

- Easily accessible on-unit buttons to toggle between environments
- Low battery detection
- Serialization alert
- Counter alert
- Immediate PASS/FAIL alert
- Overcurrent protection: the device and the programmer are protected from damage due to a short-circuit or incorrectly powered programmed device.

Host System Requirements

- Windows®- 7/8/10/11
- Linux with Wine
- USB or RS-232 port

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