ICP2-ISO(G3)

1 channel galvanic isolated in-circuit programmer

Product Overview:

The ICP2-ISO(G3) is a 1 channel Universal Production Quality Flash Programmer - the ultimate solution designed for engineers to revolutionize high-volume programming with advanced automation, efficiency and precision. Its compact, space-saving design ensures seamless integration into your production line, while its galvanic isolation of control and communication lines guarantees rock-solid reliability, even in demanding settings. With significant MCUs coverage and future-proof technology, you can program with confidence across leading manufacturers such as Microchip, ST, NXP, Nordic, Cypress, Texas Instruments, Silicon Labs, GigaDevice and effortlessly adapt to new interfaces and protocols.
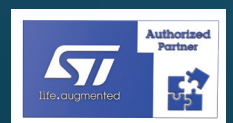
With DLL and Command Line, it integrates seamlessly into automated workflows, with secure programming that protects your business-critical intellectual property.

The flash 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.

Invest in your programming future today and unlock the power of universal production quality in-circuit programming with ICP2-ISO(G3).

- Universal flash programmer
- Compact, space-saving design
- Daisy chain setup possibility to increase capacity to 16 channels
- Full compatibility mode with ICP2
- Easy ATE integration
- Galvanic isolation of control and communication lines
- DLL / Command Line / Advanced Command Line Support (optional)
- 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
- Small size, DIN rail and wall mountable
- Easy ATE integration due to small size
- Galvanic isolation of control and communication lines
- USB and RS-232 interfaces
- 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
- Tests Vdd and Vpp for overload with indication by software
- Dimensions: 78 x 60 x 28mm

Programmable Hardware

- Isolated wired remote programming and environment switch: GO/PASS/FAIL/ENV
- Full compatibility with ICP2: non-isolated GO/PASS/FAIL on D-type 15
- 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-ISO(G3) or target
- Vdd current limit: 250mA

Easy-to-Use Software

- DLL / Command Line / Advanced Command Line for automatic programming (optional)
- Secure programming feature including hex file encryption, counter and secure buffer (optional)
- Daisy chain setup possibility to increase capacity to 16 channels
- Full compatibility mode with ICP2

Host System Requirements

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

Available with

Secure Programming

Scan to Watch
the product video clip

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