

ICP2-Portable(G3)

Production Quality In-Circuit Service Programmer



**Softlog
Systems**

A member of the ICP family of high-speed, production-grade in-circuit programmers for Microchip microcontrollers, ICP2-Portable(G3) is specially designed to meet your service programming needs. This compact, battery-powered device supports up to six different programming environments, making it an ideal, low-cost solution for field upgrades.



- 6 environments with counter
- Fast programming
- Convenient and easy-to-operate
- Battery/USB/Adapter powered
- Low-cost device

Counter Maximizes Your Control

ICP2-Portable(G3) includes a configurable counter that ensures the number of programmed devices does not exceed a pre-defined value. The counter allows you to control the number of upgrades performed by your customer's service personnel. In cases where a higher level of security is needed, ICP2-Portable(G3) can be enhanced to offer multi-layer IP protection using our Secure Programming software.

Microchip-Oriented

Reflecting our focus and expertise in working with Microchip, ICP2-Portable(G3) is specifically designed for full compatibility with all Microchip microcontrollers and peripheral components. ICP2-Portable(G3) hardware virtually supports popular programming interfaces (ICSP™, JTAG, SWD, UPDI, SPI, QSPI, etc.) used by Atmel, SST and others.

Overcurrent Protection

Overcurrent protection circuits prevent both programmed devices and the programmer from being damaged in the event of a short-circuit or a connection to an incorrectly powered programmed device.

24x7 Support

We understand the importance of on-time field maintenance. Softlog's technical support engineers are available round-the-clock to provide you with immediate solutions to operational and maintenance issues which may arise.

www.softlog.com

ICP2-Portable(G3)

Production Quality In-Circuit Service Programmer

High-Speed, Compact Programming Device

- Designed for ICSP™, JTAG, SWD, UPDI, SPI, QSPI, etc. used by Microchip, Atmel, SST and others
- On-board 32MByte flash memory for non-volatile storage of 6 environments
- Three standalone serialization schemes:
 - Sequential, random and user file
 - 1 to 8 bytes, automatic "retlw"
- Vdd and Vpp overload protection
- Power supply: 3xAA batteries, USB or power adapter
- Dimensions: 145 x 82 x 28 mm

Programmable Hardware

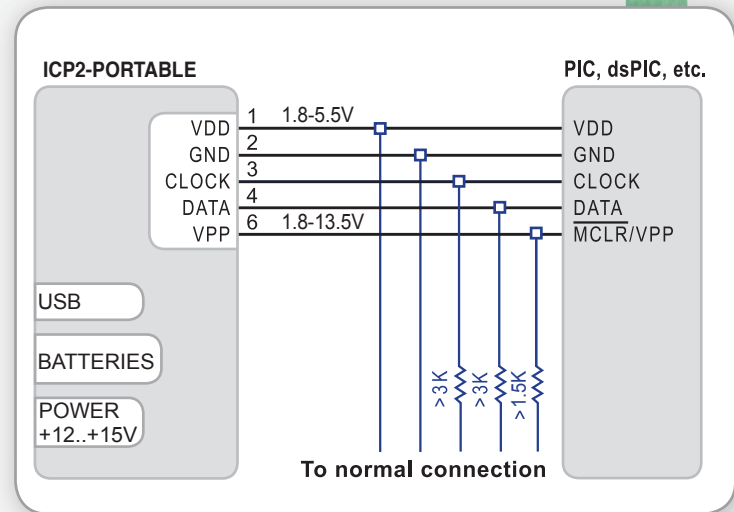
- Programmable Vdd (1.8 to 5.5V) and Vpp (1.8 to 13.5V)
- Programmable delay between Vdd and Vpp (0.1 to 250ms)
- Programmable clock/data speed (500KHz to 10MHz)
- Programmable Vdd source (programmer or target)
- Vdd current limit: 100mA (40mA if powered from USB or/and batteries only)
- Prevents damage to connected microcontroller in case of power ON and power OFF

Easy-to-Use Software

- Counter that limits the number of times a hex file can be programmed
- Standalone operation
- Field firmware upgrade (built-in bootloader)

Host System Requirements

- Windows®-XP/7/8/10
- USB port



Typical in-circuit programming connection



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