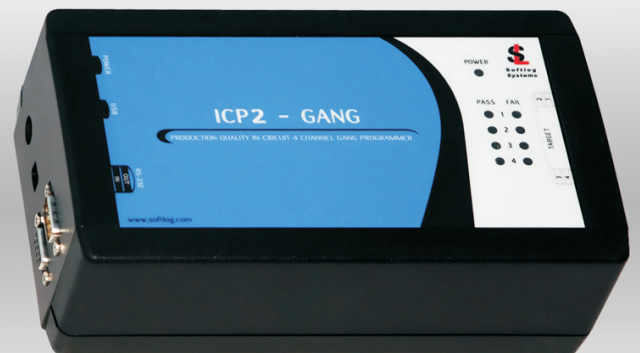


ICP2 - GANG

Production Quality In-Circuit 4 Channel Gang Programmer

- Production quality
- Flexible and expandable up to 64 channels
- Ultra fast programming
- Cost effective
- On-board flash memory 1Mbyte per channel
- Software and firmware upgrades via Web



Product

The ICP2-GANG Production Quality In-Circuit 4 Channel Programmer is a **cost-effective** programmer for high volume production.

The ICP2 features overcurrent protection circuits, which prevent both programmed devices and the programmer from being damaged.

Windows® DLL functions are suitable for high volume **automatic** programming.

Once all necessary parameters are set-up, you can quickly and securely duplicate devices in production one-touch programming mode.

Built-in bootloader allows convenient field firmware upgrade via software.

Complete package comes with ICP2-GANG programmer unit, universal power supply adapter, USB cable, Sub-D mating connectors and serial cable for chain connection between GANG programmers or RS-232 connection to PC.



**Recognized
Microchip
Third-Party
Tool Provider**

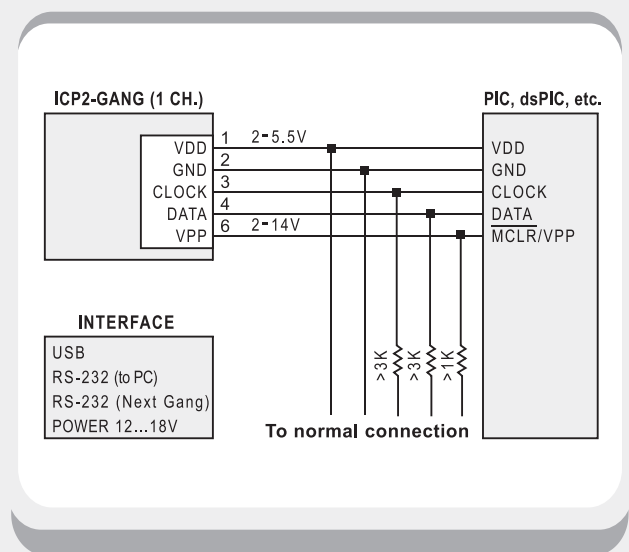
Production Quality In-Circuit 4 Channel Gang Programmer

Compatible Operating Systems

- Windows® 95/ 98/ 2000/ ME/ XP/ NT

Features:

- Especially designed for in-circuit (ICSP™) programming of 8-bit PIC® MCUs, 16-bit PIC® MCUs & dsPIC® DSCs (optional), Keeloq® encoders (optional) and serial EEPROMs
- **Fully integrated into MPLAB® IDE via plug-in**
- Ultra fast programming, up to 64 channels simultaneously (Flash 131KByte-PIC18F8722): (Erase + Program + Verify) in 12 sec
- **Secure storage of user HEX file and limitation of device quantity to be programmed (optional)**
- Communication interface: USB, RS-232
- On-board flash memory 1MByte per channel for non-volatile storage of HEX, configuration and serialization files
- Wired standalone programming: Go/Pass/Fail
- Programmable Vdd (2.0 to 5.5V) and Vpp (2.0 to 13.5V)
- Programmable delay between Vdd and Vpp (0.1 to 250ms)
- Programmable clock/data speed (500KHz to 10MHz)
- Programmable Vdd source (ICP2-GANG or target)
- Vdd current limit: 250mA per channel
- Tests Vdd and Vpp for overload with indication by software
- No damage to connected microcontroller in case of power ON and power OFF
- 4 serialization schemes: sequential, random, pseudo-random and user file, 1 to 8 bytes, automatic "retlw"
- Secure store of Keeloq® manufacturer's key in protected memory of the programmer
- Built-in low-voltage programming (LVP)
- Adaptable to bed-of-nails systems
- **Windows® DLL/Command line functions for automatic programming (optional)**
- Field firmware upgrade (built-in bootloader)
- Universal power supply automatically accepts input voltages from 100V AC to 240V AC.
- Dimensions: 195 x 110 x 68mm



**Typical in-circuit programming connection
(1 channel shown)**



Manufacturer: **Softlog Systems (2006) Ltd.**

R4 systems is the Authorized Dealer
for Softlog Systems in USA and Canada

Toll Free: 866 499 8184
Fax: 905 8980683
www.r4systems.com

www.softlog.com