





# ICP2 Family Programmings

	Features	 ICP2-PORTABLE	 ICP2	 ICP2-GANG	 ICP2(HC)
1.	Primary use	Service	Mass production	Heavy mass production	High-current targets
2.	Dimensions, mm	130x65x26	175x85x35	195x110x68	175x85x35
3.	Number of channels	1	1	4 (daisy chain capability up to 64 channels)	1
4.	Target connector	D-type 15F	D-type 15F	D-type 15F x 4	D-type 15F
5.	Battery powered (AAx3)	Yes	-	-	-
6.	USB powered	Yes	Yes (VDD current is limited to 40mA)	-	-
7.	Power adapter voltage	9V, 12V, 15V	12V	12V	12V
8.	Communication interface	USB	USB, RS-232	USB, RS-232	USB, RS-232
9.	VDD current, max	50mA	250mA	250mA (per channel)	1000mA
10.	VPP current, max	10mA	25mA	25mA	100mA
11.	Clock/data current, max	5mA	5mA	5mA	100mA
12.	Flash memory size	4MByte	1MByte	1MByte	1MByte
13.	GO/PASS/FAIL wired interface	Contact Softlog Systems	Yes	Yes	Yes
14.	Programmable VDD	2-5.5V	2-5.5V	2-5.5V	2-5.5V
15.	Programmable VPP	2-13.5V	2-13.5V	2-13.5V	2-13.5V
16.	Programmable clock/data speed	500KHz-10MHz	500KHz-10MHz	500KHz-10MHz	500KHz-10MHz
17.	Secure programming	Counter limit only	Optional	Optional	Optional
18.	Standalone programming	Yes	Yes	Yes	Yes
19.	Number of environments	6	1	1(per channel)	1
20.	Standalone serialization	Yes	Yes	Yes	Yes

# How To Order

1 - 2 3 4 5 6

1: Programmer P/N:

**ICP2PORT** = ICP2-PORTABLE  
**ICP2** = ICP2

**ICP2GANG** = ICP2-GANG  
**ICP2(HC)** = ICP2(HC)

2: **D** = DLL/Command Line Support

3: **P** = dsPIC/PIC24 (16-bit) Support

4: **S** = Secure Programming Support

5: **K** = Keeloq Support

6: **X** = PIC32 Support

Examples:

**ICP2GANG-DS** = ICP2-GANG programmer with DLL/Command Line Support and Secure Programming Support

**ICP2PORT-P** = ICP2-PORTABLE programmer with dsPIC/PIC24 (16-bit) Support

	Microchip P/N	Softlog P/N	Channels	Battery Powered	Box Size, mm	Drive Capability	DLL/Command Line Support (D)	dsPIC/PIC24 (16-bit) Support (P)	Secure Programming Support (S)	Keeloq Support (K)	PIC32 Support (X)
1.	TPG10001	ICP2	1	-	175x85x35	Normal	-	-	-	-	-
2.	TPG10002	ICP2-DP	1	-	175x85x35	Normal	Yes	Yes	-	-	-
3.	TPG10004	ICP2GANG-DP	4	-	195x110x68	Normal	Yes	Yes	-	-	-
4.	TPG10005	ICP2GANG	4	-	195x110x68	Normal	-	-	-	-	-
5.	TPG10006	ICP2GANG-DS	4	-	195x110x68	Normal	Yes	-	Yes	-	-
6.	TPG10007	ICP2-DS	1	-	175x85x35	Normal	Yes	-	Yes	-	-
7.	TPG10008	ICP2(HC)	1	-	175x85x35	High	-	-	-	-	-
8.	TPG10009	ICP2PORT	1	Yes	130x65x26	Base	-	-	-	-	-
9.	TPG10010	ICP2PORT-P	1	Yes	130x65x26	Base	-	Yes	-	-	-

Notes:

- Support for 8-bit microcontrollers is included in all programmers
- Any Support (D/P/S/K/X) may be activated remotely – contact Softlog Systems for details



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