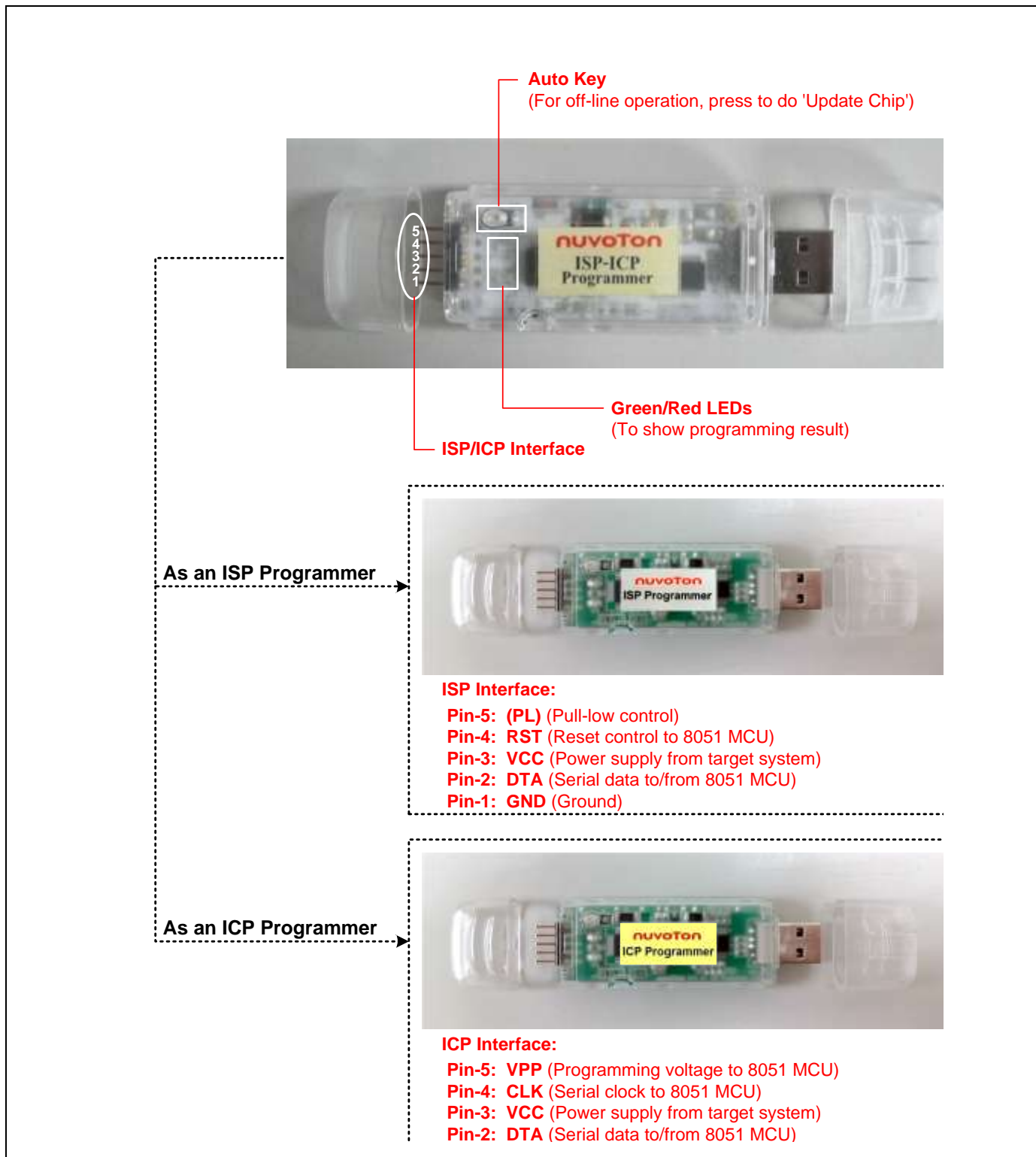


Brief Introduction

The “ISP/ICP 2-in-1 Programmer”, as shown in the following picture, can function as an *ISP Programmer* or an *ICP Programmer*. For detailed information of the ISP Programmer and the ICP Programmer, please refer to their respective user manuals.



The 2nd Version of “ISP/ICP 2-in-1 Programmer”

The 2nd version of the “ISP/ICP 2-in-1 Programmer”, as shown in the following picture, has the following differences compared with the first version:

- (1) The 2nd version has a blue label on its plastic case.
- (2) The 2nd version has the VCC pin, the 3rd pin of the ISP/ICP interface, designed as *bi-directional* power input and output. When the programmer is connected to PC (for on-line operation), the VCC pin can output power to the target chip for ISP/ICP programming. In off-line operation, the VCC pin should be powered from the target system for the programmer to operate.



The 3rd Version of “ISP/ICP 2-in-1 Programmer”

The 3rd version of the “ISP/ICP 2-in-1 Programmer”, as shown in the following picture, has better noise immunity compared with the 2nd version.

