I-7567 Quick Start

v1.2, 2026/07

Packing List

In addition to this guide, the package includes the following items:



I-7567



CA-USB18



DIN-Rail Clip

Technical Support

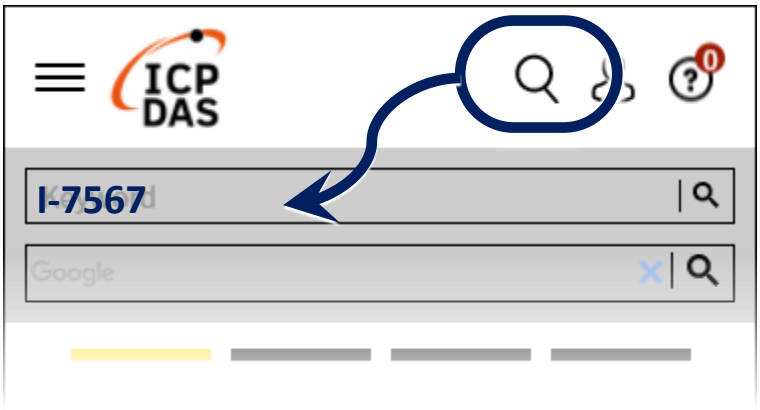
service@icpdas.com

www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web



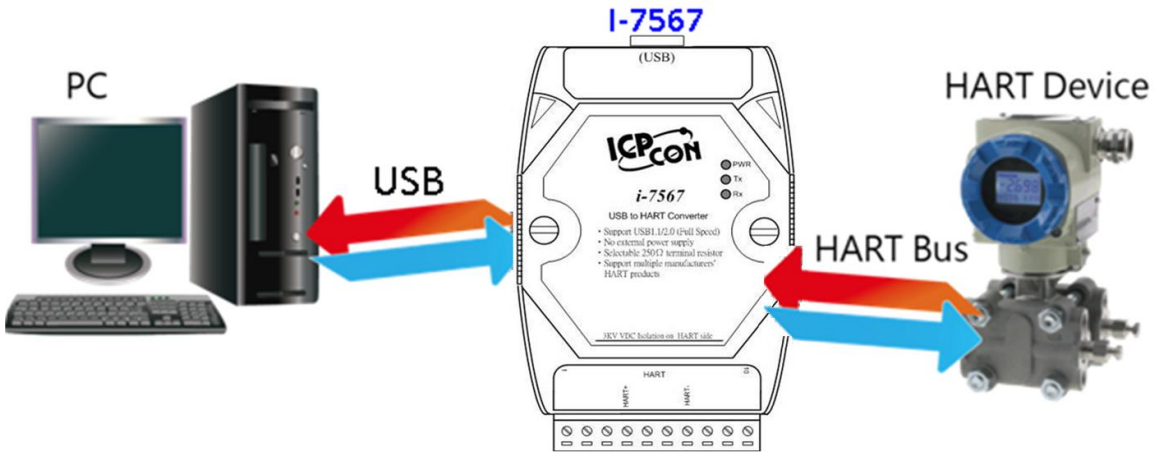
- For Desktop Web



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1. Test Structure

Using an I-7567 (as HART master), one HART slave and one PC for example and demonstrate how to use the utility (HC_Tool) for module configuration and HART communication.



2. Hardware Installation

Users may need to make a hardware setting before the application. The detailed illustration is as below **:**

[Step1: USB connection & Install I-7567 Driver]

Connect the USB port of the I-7567 to PC. Then users can refer to the "Driver Installation" chapter in the user's manual to complete the I-7567 driver installation.

[Step2: Check the LED Indication I-7567]

If the driver is installed successfully, the PWR LED will be always on. It means I-7567 is working in the "Firmware Operation" mode.

LED Name	Power off	No Driver	FW Update	FW Operation	USB Port Data Received	HART Port Data Received
PWR LED	off	flash	off	on	on	on
Tx LED	off	flash	off	off	flash	off
Rx LED	off	flash	off	off	off	flash

[Step3: Enable or Disable the 250Ω resistor]

If set the DIP switch to "On", it will enable the 250Ω resistor like Figure 2-1.
If set the DIP switch to "Off", it will disable the 250Ω resistor like Figure 2-2.

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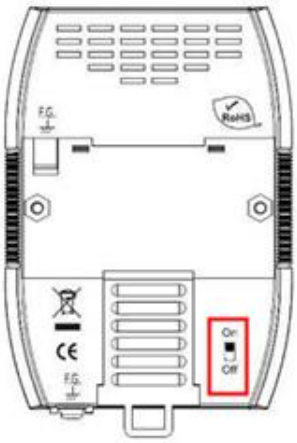


Figure 2-1: Enable Internal Resistor



Figure 2-2: Disable Internal Resistor

[Step4: HART bus connection]

Connect the HART port of I-7567 to HART Device.

3. Run I-7567 Utility (HC_Tool)

Step1: Connect USB port of I-7567 to PC, it will turn on the power of I-7567. If the PWR LED is always on, then it means the I-7567 converter is working in the "Firmware Operation" mode.

Step2: Run "I-7567 Utility", **HC_Tool**, and click the "Settings" item like Figure 3-1 to configure the serial connection and HART command parameters. About the virtual com port number, please refer to the "Device Manager" like Figure 3-2.

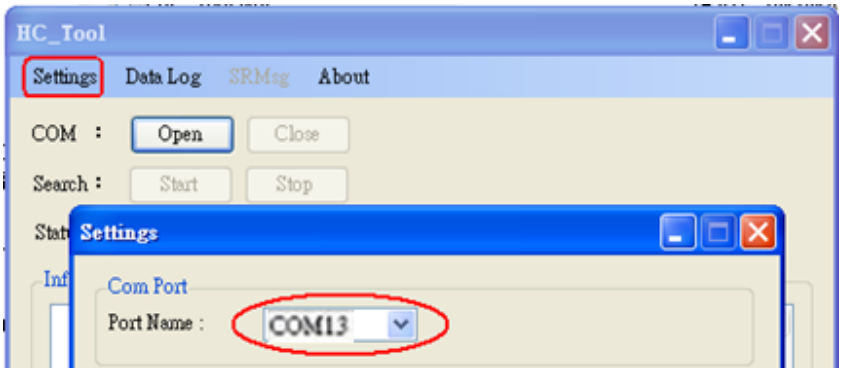


Figure 3-1: "Settings" function of HC_Tool

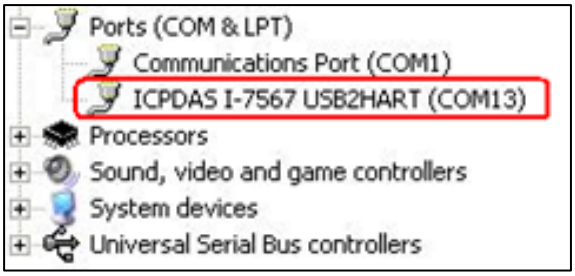


Figure 3-2: The Virtual COM Port Number

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Step3: Set the “Port Name” and “Auto Configure“ parameters like Figure 3-3.

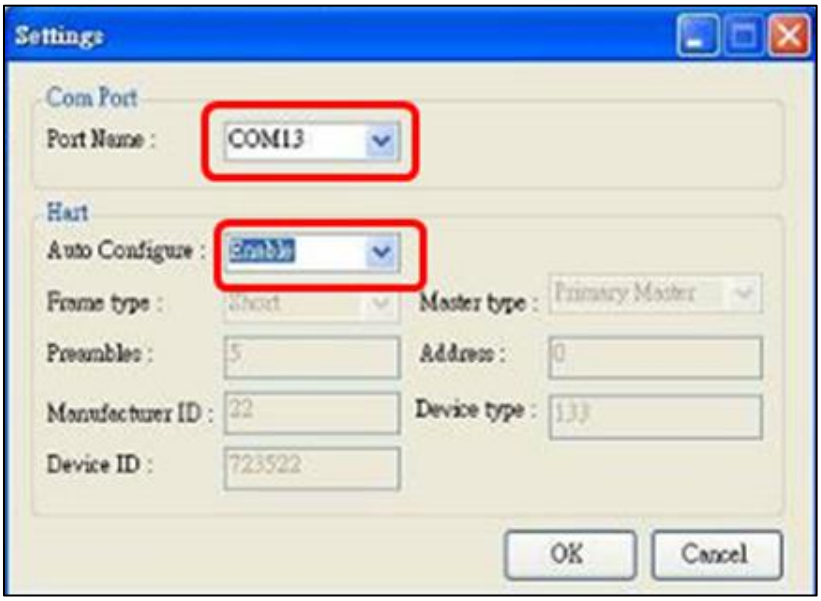


Figure 3-3: Set “Com Port” and “HART” Parameters

Step4: Click “Open” button to open the com port of PC like Figure 3-4.

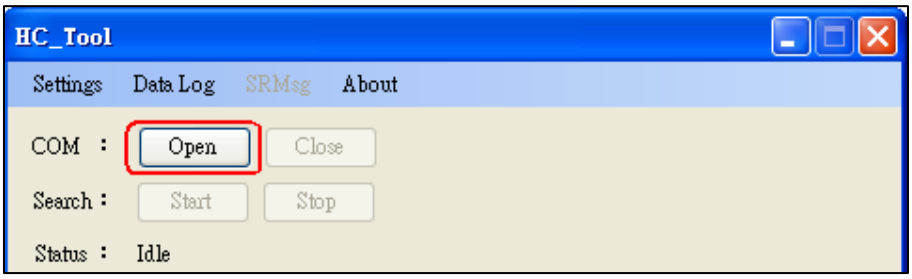


Figure 3-4: Click the “Open” button

Step5: Click “Start” button to search all HART devices and the result will be shown in the ”Information” field like Figure 3-5.

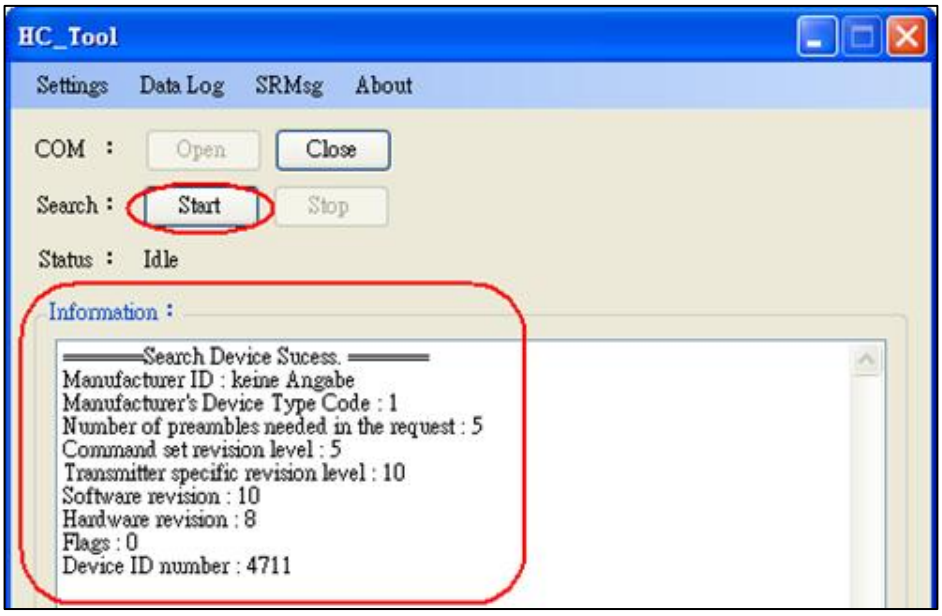


Figure 3-5: HART device Information

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