I-8123W / I-9123 Quick Start

v1.3, Apr 2025

Packing List

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



I-8123W / I-9123



CA-0904

Technical Support

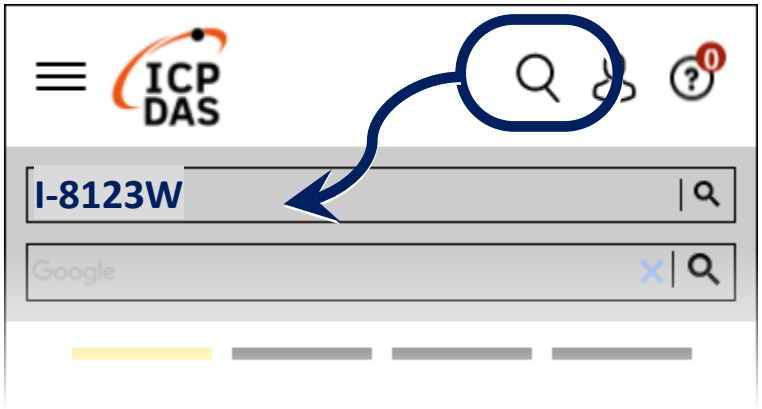
service@icpdas.com

www.icpdas.com

Resources

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

- For Mobile Web



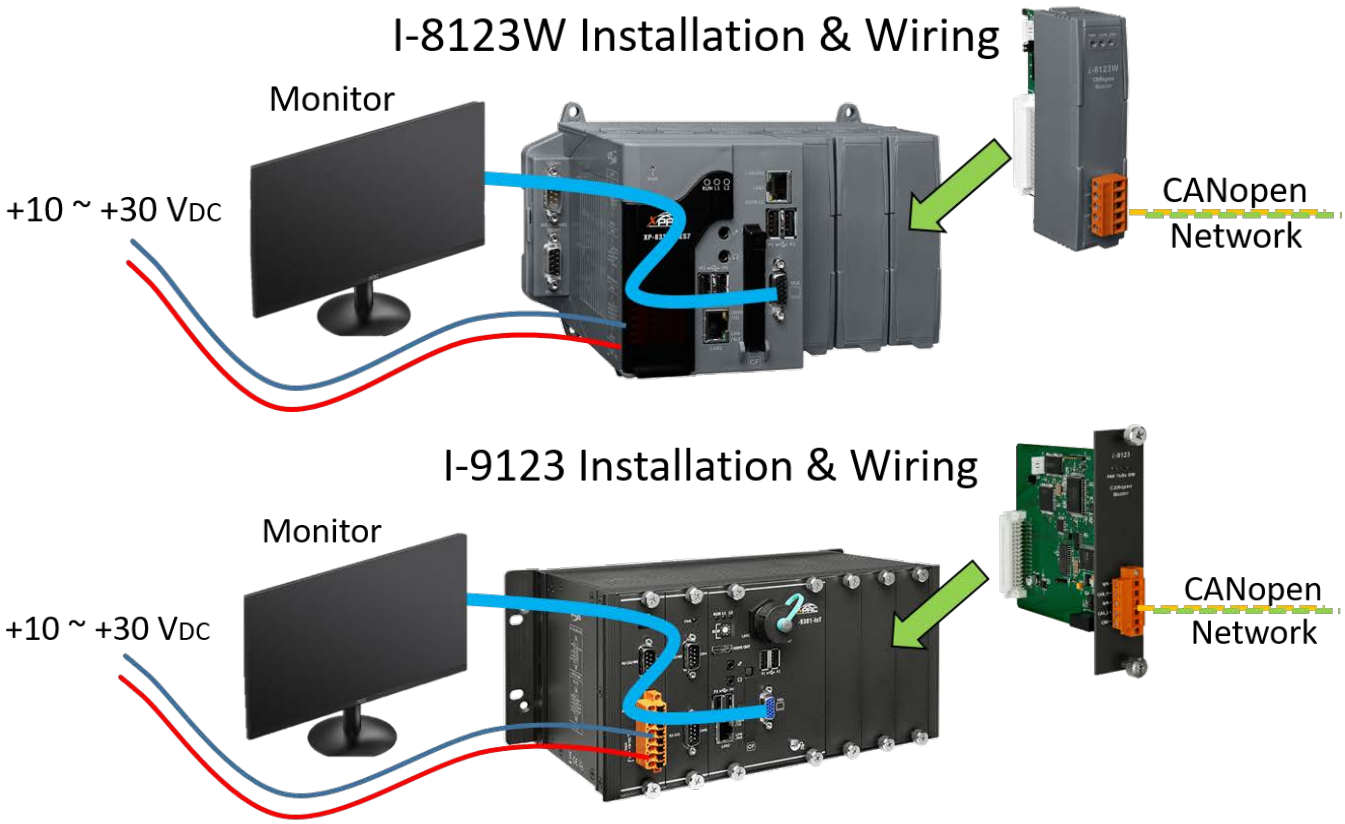
- For Desktop Web



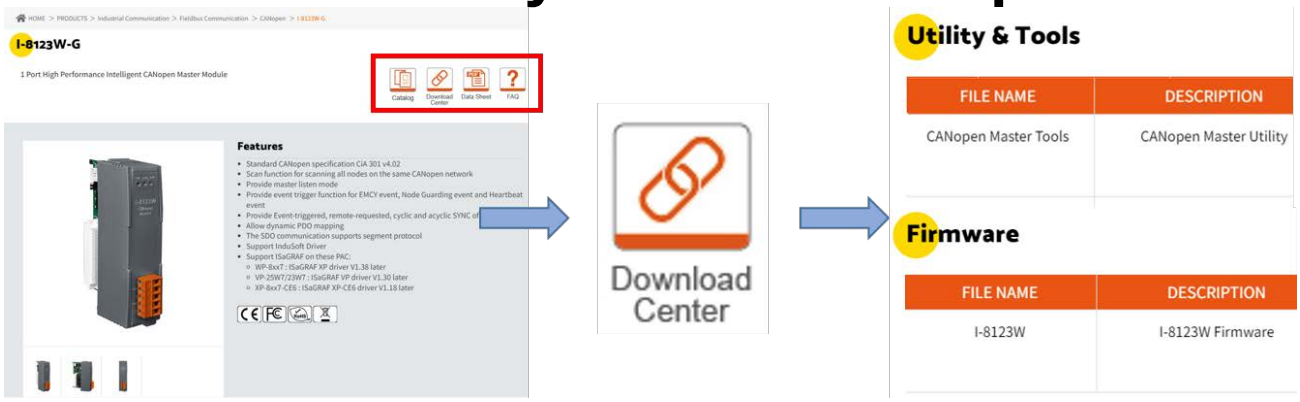
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1 Installation and Wiring

Step1. Install I-8123W / I-9123 on PAC and connect to CANopen Network, monitor, and power supply as below.
Step2. Provide +10 ~ +30 V_{DC} power to PAC.



2 Download Utility & Firmware Update Tool



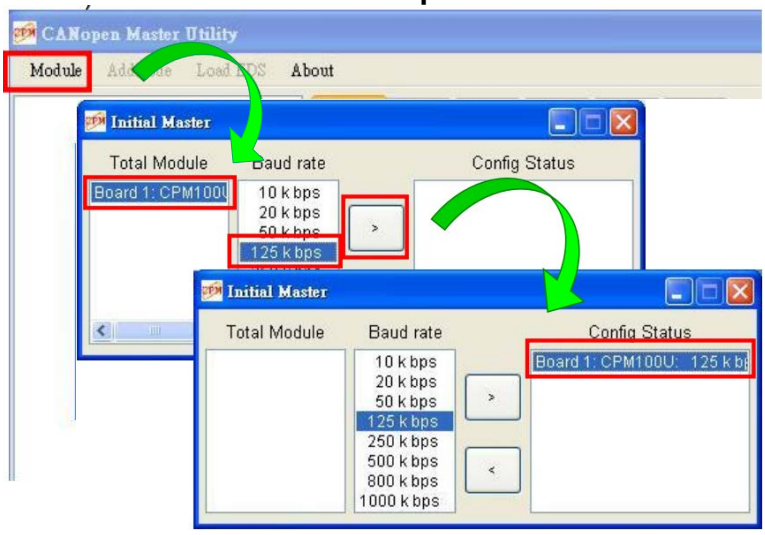
8123W210.EXE	Firmware
CPMUtility.exe	CPMUtility Master Tool
I8120W_Utility.exe	Firmware Update Tool

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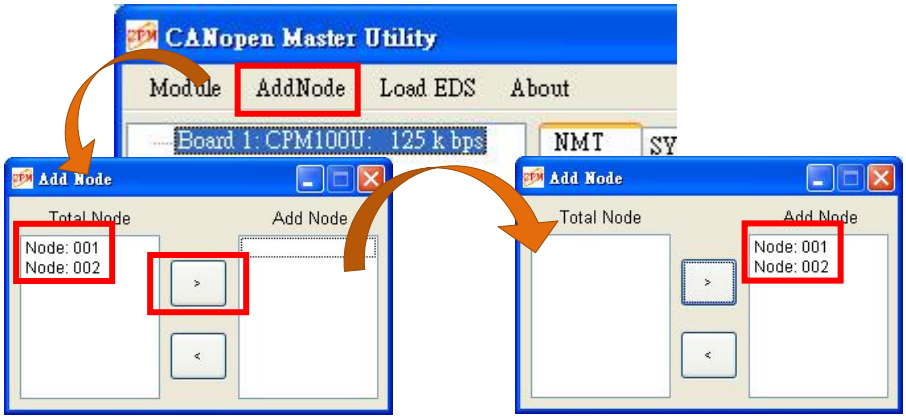
3 Start CPMUtility

Simple Control of CANopen I/O Modules via CPMUtility, proceed as follows:

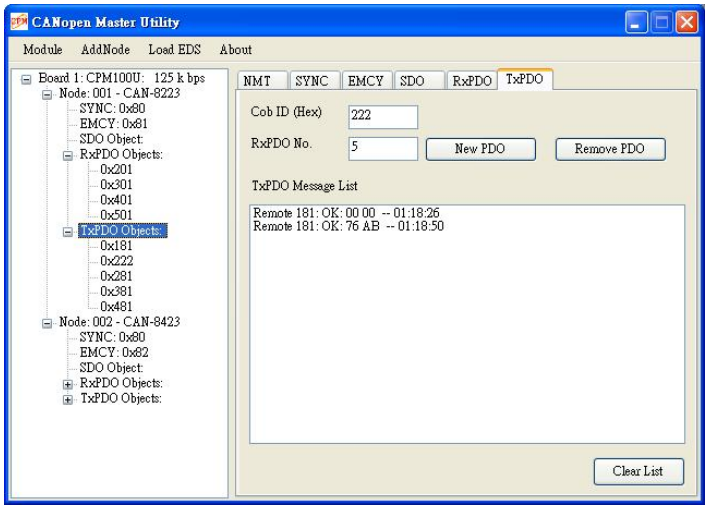
Step1. Click “Module”, select master module and baud rate, then click “>” to initial the CANopen master.



Step2. Tap “AddNode”, wait for the network to scan, select the slave device, and then tap “>” to add it under CANopen master.



Step3. Switch to each command tab such as NMT, SDO, TxPDO, RxPDO, etc. to read and control the slave device.

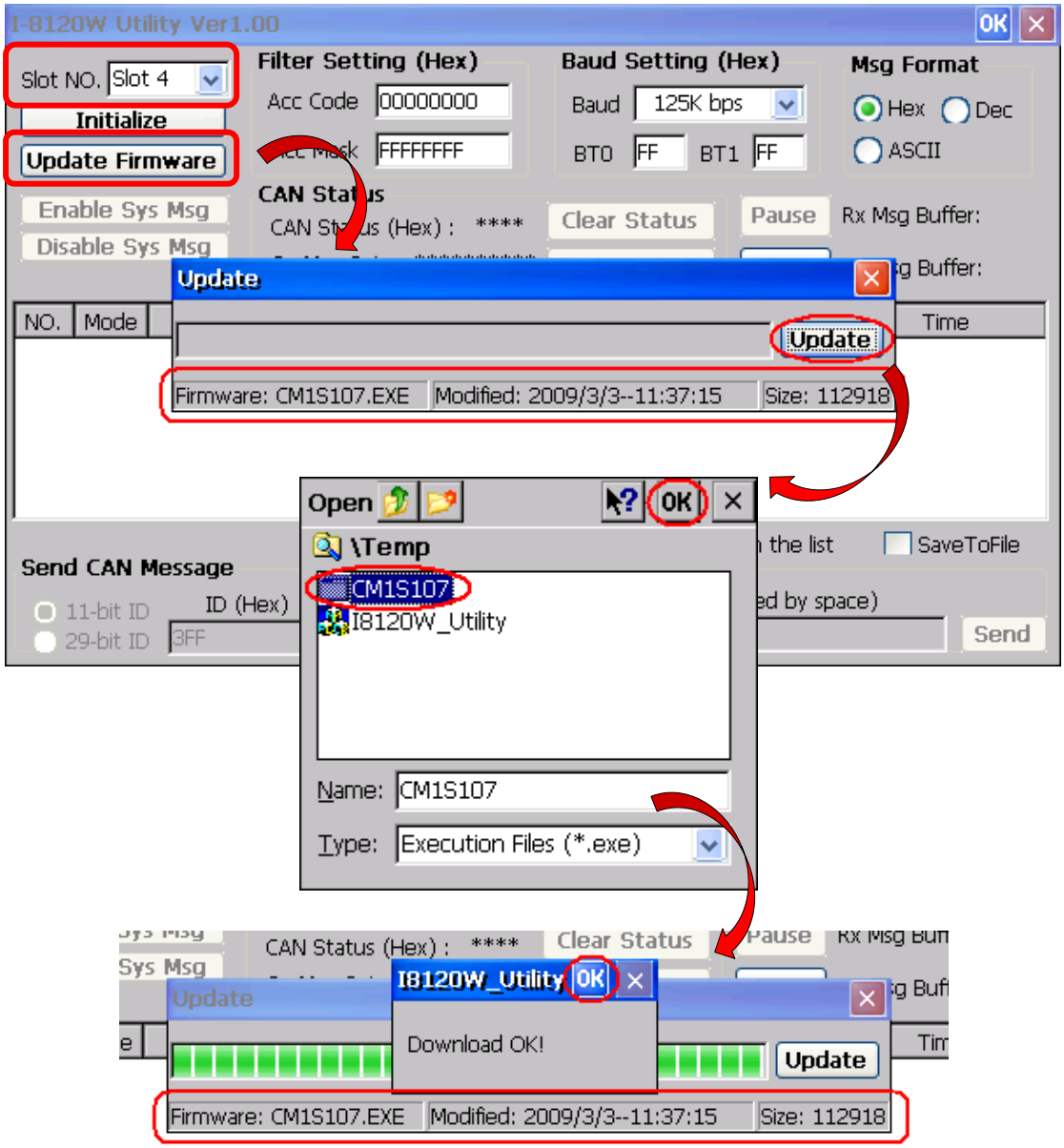


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4 Update Firmware

Execute “Firmware Update Tool”, I8120W_Utility.exe, to update I-8123W / I-9123 firmware. To update the firmware, proceed as follows:

Step1. Change JP1 on PCI board to short pin 2, 3 (UnLock).
Step2. Select the slot number where I-8123W/I-9123 is located.
Step3. Click “Update Firmware” button to open update frame.
Step4. Click the “Update” button and select firmware to update.
Step5. After the update is complete, adjust JP1 back to the Lock position.



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