



Making Data Acquisition Easy

CAGE/NCAGE CODE: 3FNFO

I-7011

Voltage & Current Thermocouple Input Data Acquisition Module with 1 AI, 1 DI, 2 DO Channels Quick Start Guide

Product Website:

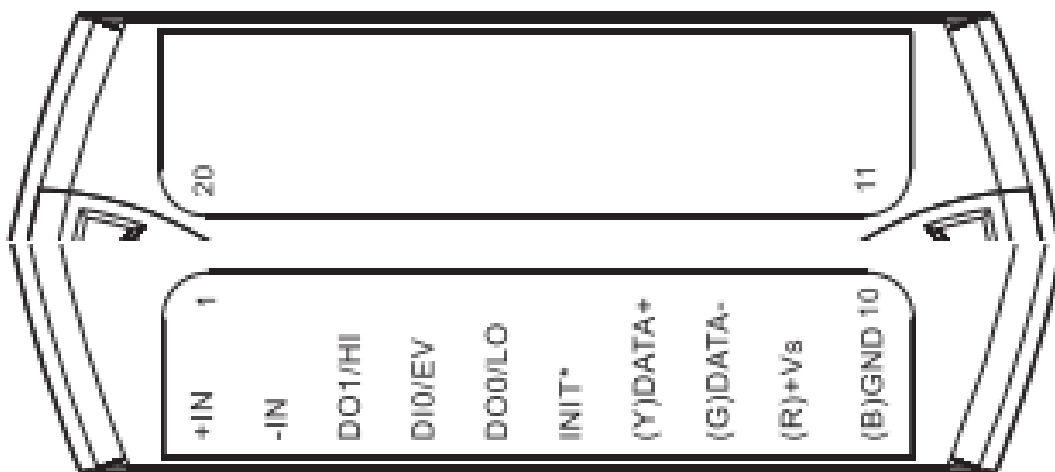
https://www.icpdas-usa.com/i_7011_i_7011d.html

http://www.icpdas-usa.com/dcon_utility_pro.html

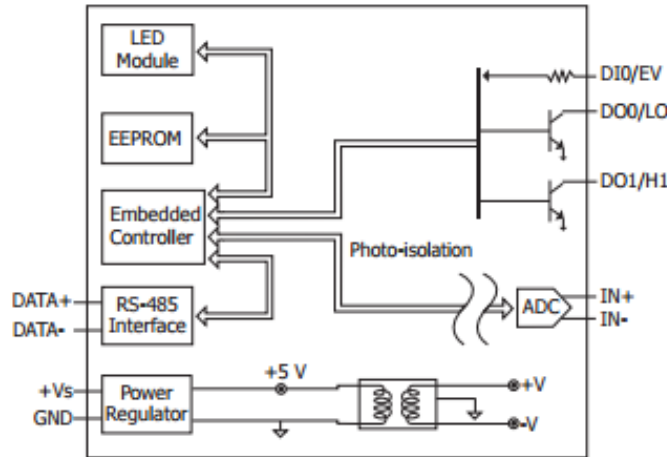
1. Introduction

The I-7011 module provides cost-effective protection and conditioning for a wide range of valuable industrial control signals and systems. DCON utility can help users to configure and test I-7011 modules. Plenty of library functions and demo programs are provided to let users develop programs easily under Windows, Linux and DOS operating systems. Users may mount the modules on a DIN rail, panel or wall. Modules have a screw-terminal block to connect to the signals. I-7011 comes with FREE EZ Data Logger Software.

2. Terminal Assignment



3. Block/ Wiring Diagram



Voltage Input		Current Input	
		<p>Requires an Optional External 125 Ω Resistor</p>	
Thermocouple Input			
Digital Input/Counter	Readback as 1	Readback as 0	
	Open	Closed to GND	
Dry Contact			
Digital Output	ON State Readback as 1	OFF State Readback as 0	
Resistance Load			
Inductance Load			



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4. Default Settings

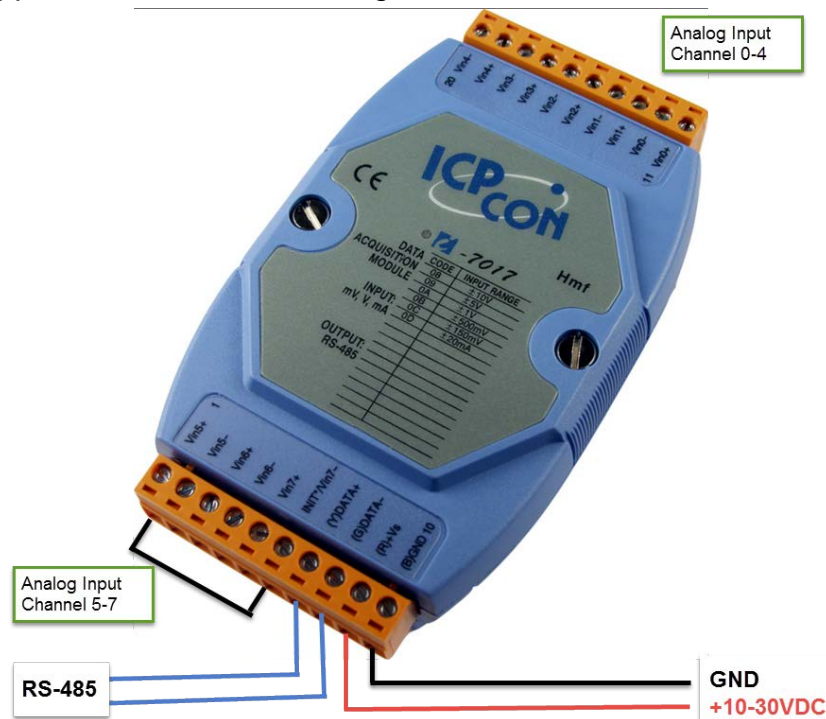
Default setting for I-7011/11D/11P/11PD/18/18P :

- Address : 01
- Analog Input Type : Type 05, -2.5 to +2.5 V
- Baudrate : 9600 bps
- Checksum disable, 60Hz rejection, engineer unit format

5. Configuration

To install the module, follow the steps below:

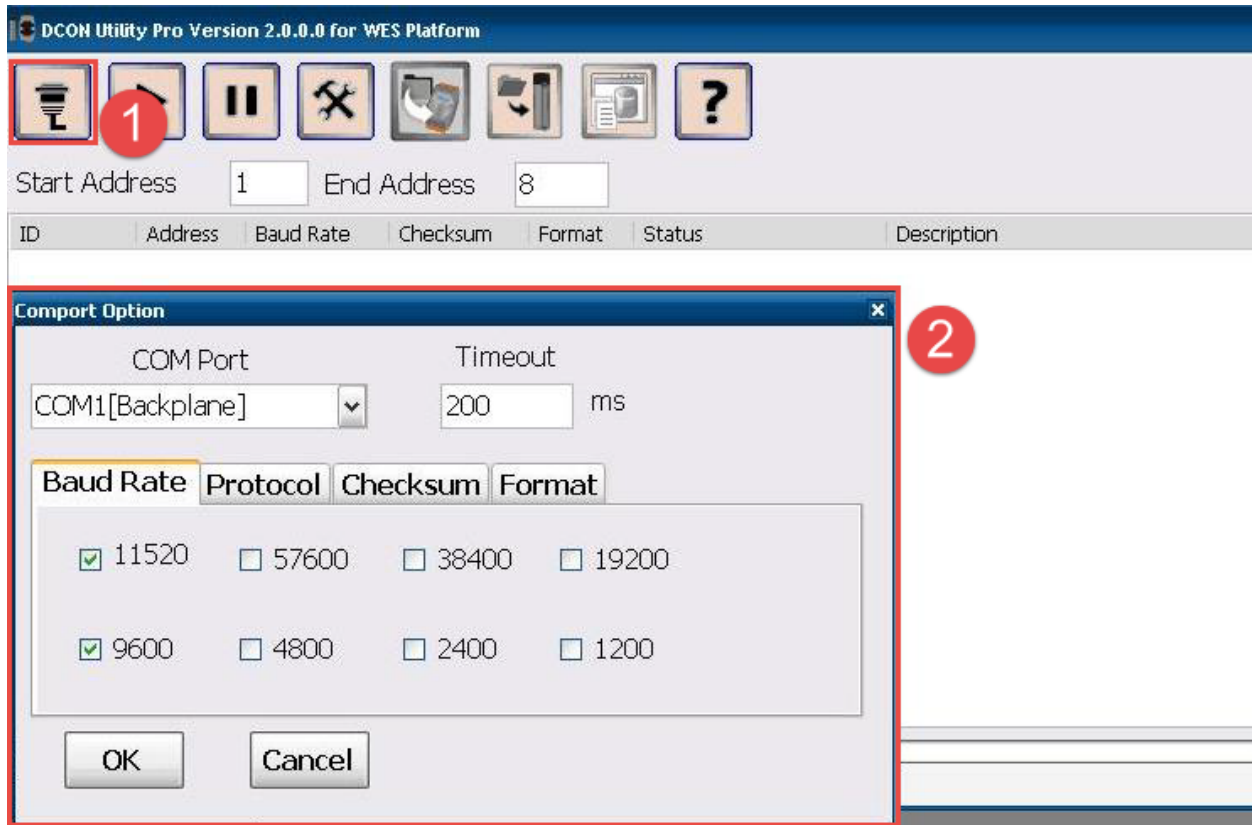
1. Connect the analog input.
2. Connect the module to the RS-485 network using the DATA+ and DATA- terminals. If the host is only equipped with an RS-232 interface, then an RS-232 to RS-485 converter will be required.
3. Connect the module to the power supply using the +Vs and GND terminals. Note that the voltage supplied should be in the range of +10 to +30V DC.





4. Open DCON utility pro

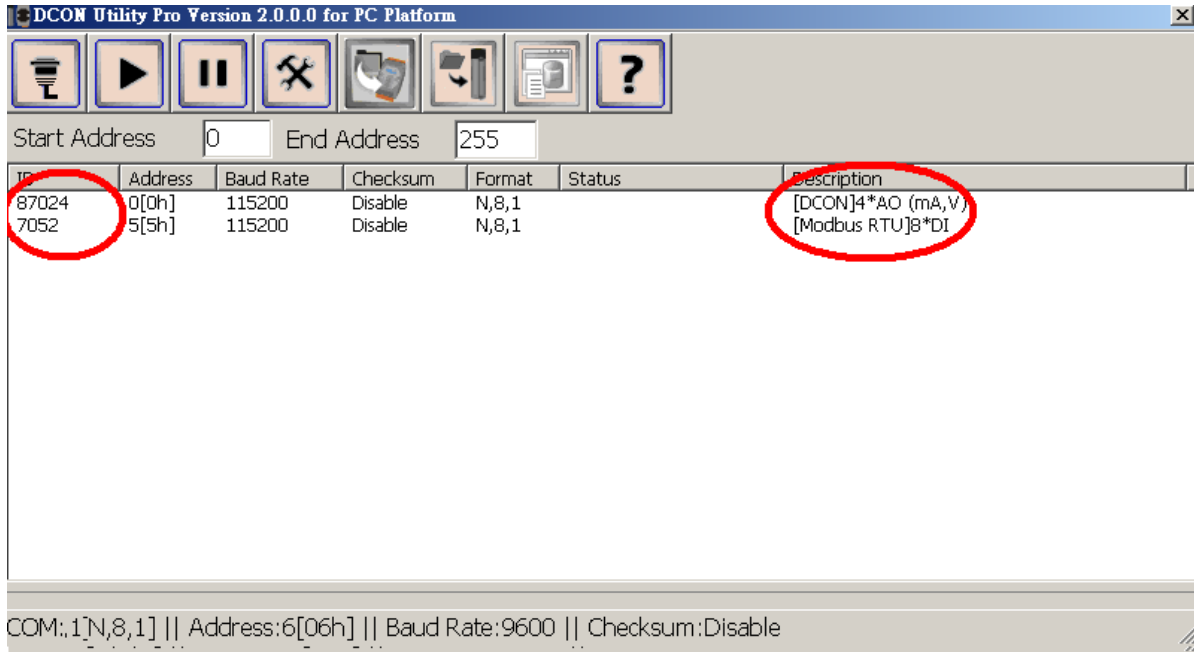
- 1 click on COM port(first icon).
- 2 It can select multi-options such as Baud Rate, Protocol, Checksum, and Format to search module. The default settings for the module can be found in Section 3. Click OK after selecting the COM port setting.



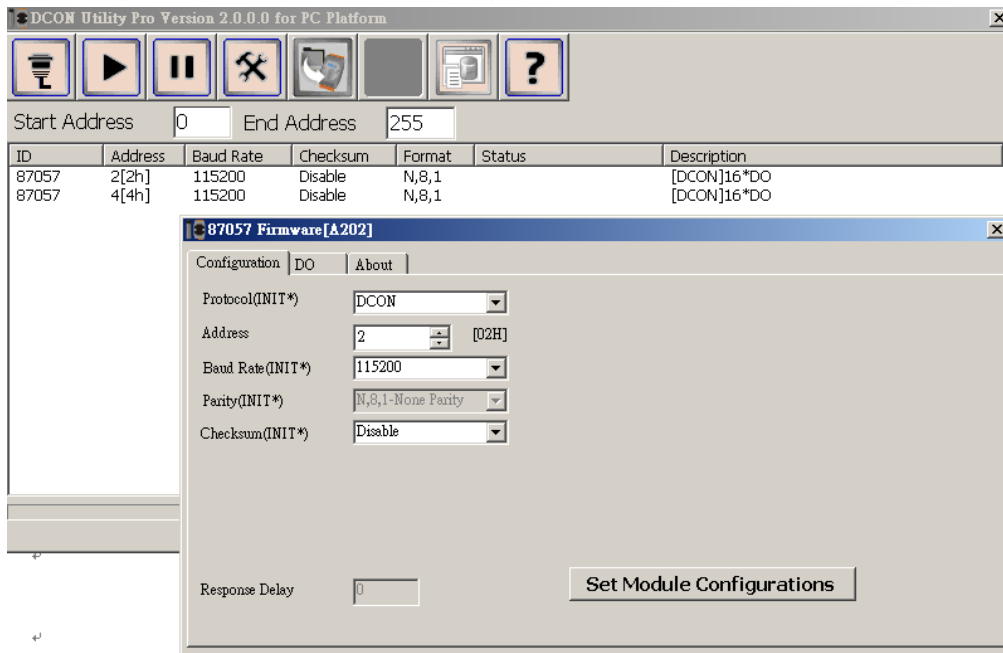


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5. DCON utility pro will search for the selected COM port according the setting previously set. DCON Utility Pro supports DCON and Modbus protocol for all ICPDAS and the others modules.



6. Configuration I/O module setting on PC

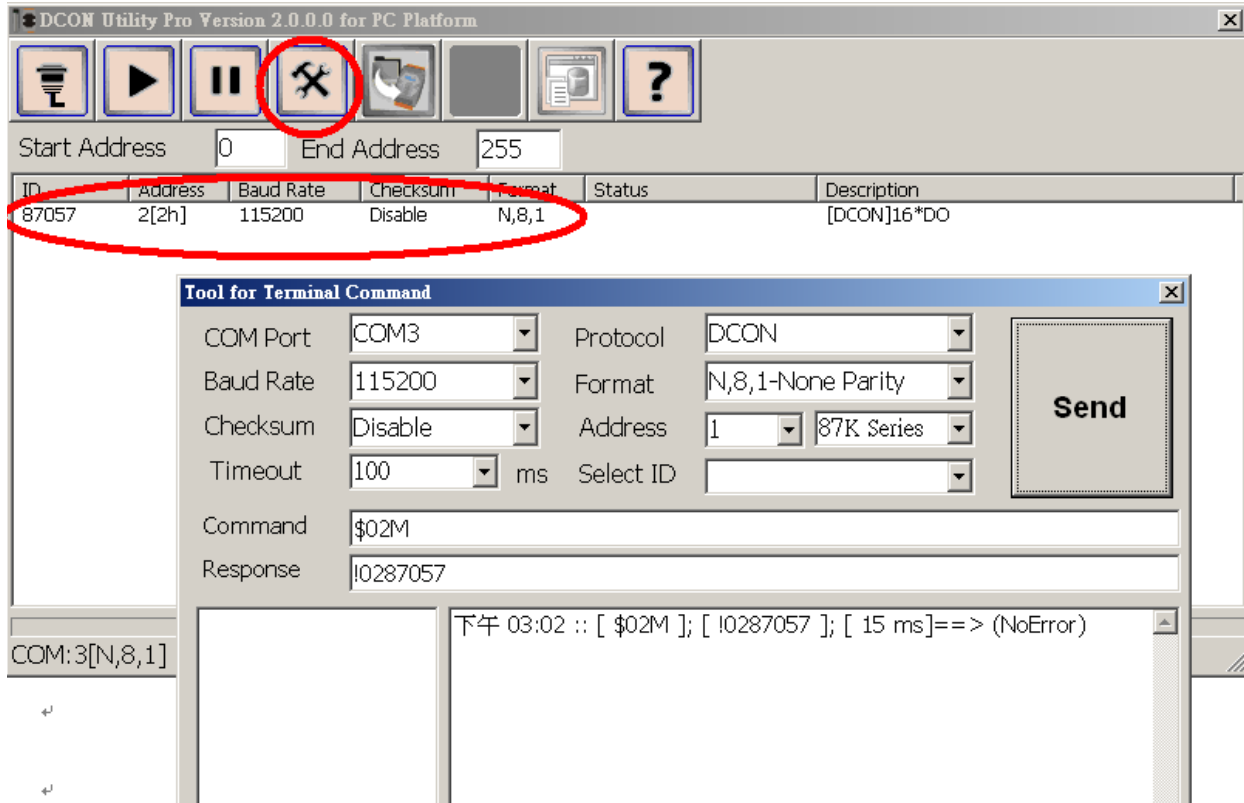


7. For I-7000 modules, DCON utility pro terminal can send command to the module. See user manual Sections 2 for details command.



Configure the module: sending the %AANNTCCFF command. See user manual Section 2 for detail commands. To configure the I-7017Z, I-7018Z and I-7019 series, the \$AA7CiRrr command must also be sent.

Read data from the input channels: send either the #AA or #AAN command to the module.



8. If user doesn't know the command, user can select Address and ID, it will show some refer commands as below. User can select necessary command to test or debug modules.



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Tool for Terminal Command

COM Port	COM3	Protocol	DCON	Send
Baud Rate	115200	Format	N,8,1-None Parity	
Checksum	Disable	Address	2 87K Series	
Timeout	100 ms	Select ID	87057	
Command	@020000			
Response	>			

Get Module Name
Get Firmware
Get Module Configure
Set Module Configure
Read DO
Write DO
Write DO Bit 0
Write DO Bit 1
Write DO Bit 2
Write DO Bit 3
Write DO Bit 4
Write DO Bit 5
Write DO Bit 6

下午 03:20 :: [@020000]; [>]; [0 ms]==> (NoError)

Clear Save to \logger_report\