DNP-211 Quick Start

v1.0, Oct 2021

Packing List

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



DNP-211



Screw Driver



CA-0910



A microSD card and a micro SD/SD adapter

Technical Support

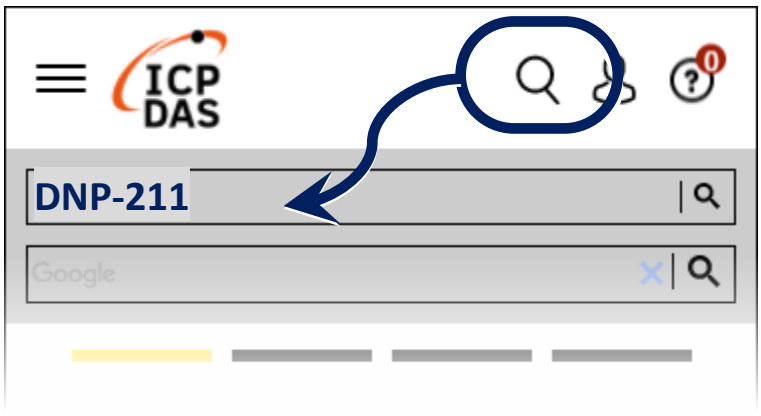
service@icpdas.com

www.icpdas.com

Resources

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

- For Mobile Web



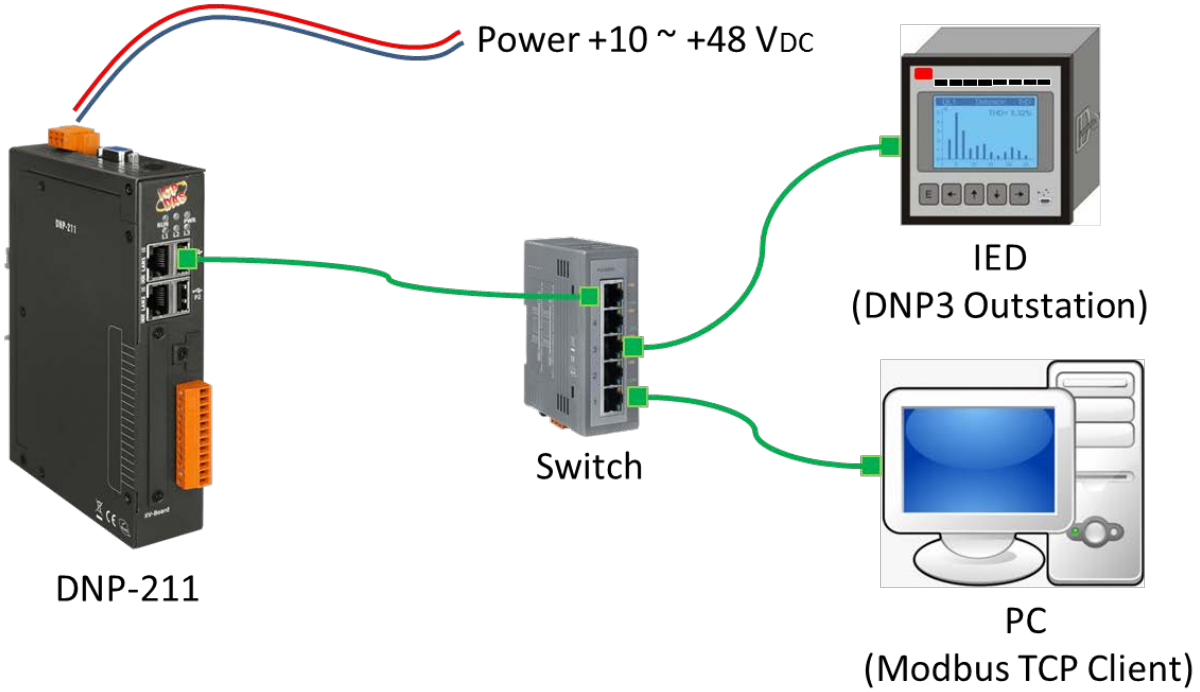
- For Desktop Web



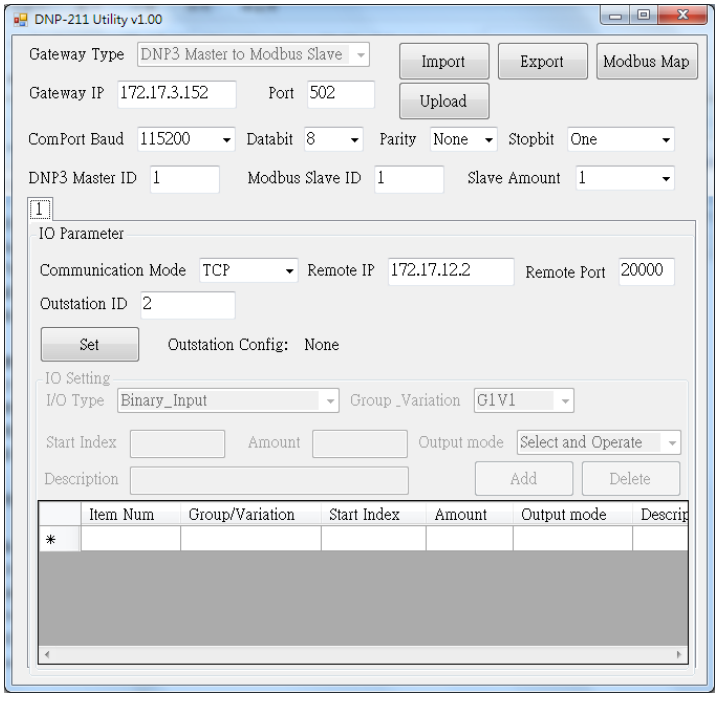
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1 Connect to PC, Internet, IED and Power

Step1. Connect PC and DNP3 slave (IED) to LAN1 of DNP-211 with Ethernet switch.
Step2. Provide +10 ~ +48 V_{DC} power to DNP-211.



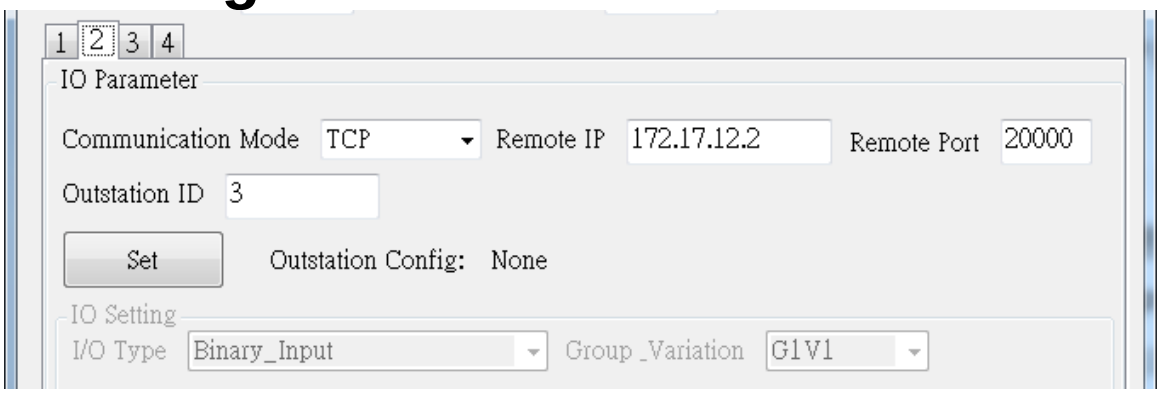
2 Execute DNP-211 Utility to set DNP-211



Step1. Input IP address and port to configure Modbus TCP of DNP-211.
Step2. Configure Com port baud rate and data format of DNP-211 (these setting only for DNP3 485, if useless, please don't care these Com port setting).
Step3. Set DNP3 master ID and Modbus slave ID of DNP-211, and then select DNP3 slave amount that want to connect.

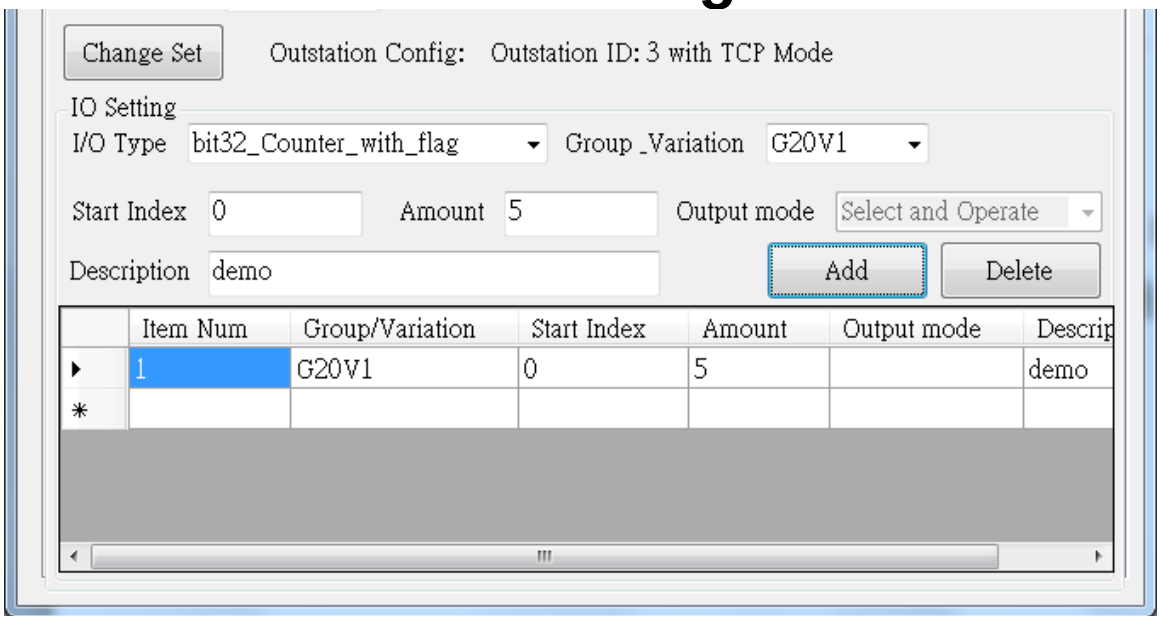
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3 Configure DNP3 Slave



Step1. Click the tab page of configured slave.
Step2. Select connection mode (TCP, UDP and Serial).
Step3. Input IP address or select Com port follow the connection mode.
Step4. Input DNP3 slave ID, can't be the same as the DNP3 master.
Step5. Click "Set" button to start the I/O configure.

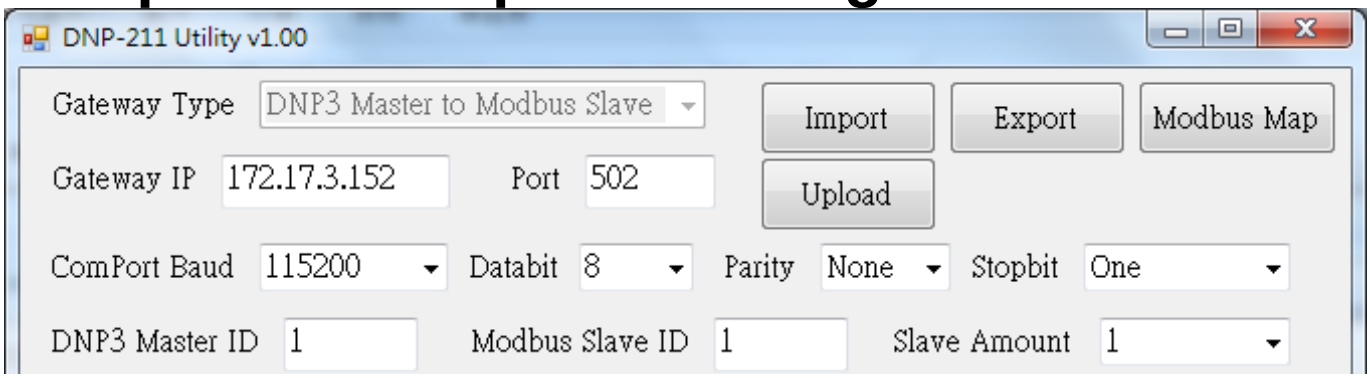
4 DNP3 Slave I/O Configure



Step1. Select the I/O Type or Group_Variation (I/O Type and Group_Variation are linkage settings).
Step2. Input start channel index in "Start Index" of the I/O.
Step3. Input I/O amount in "Amount" of the I/O to be monitored.
Step4. Select output mode if the I/O Type is output I/O.
Step5. If necessary, you can fill in some user-friendly annotations in the "Description" field.
Step6. Click "Add" button to add a new I/O configuration field.

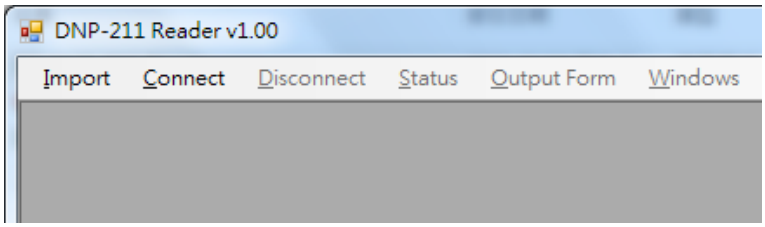
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5 Exports and Upload Configuration



Step1. After repeating operations at points 3 and 4 and completing the I/O settings, you can press the “Modbus Map” button to output the I/O Modbus register address.
Step2. Click “Export” button to export the configuration file.
Step3. Click “Upload” button, input the DNP-211 IP address (factory default is 192.168.0.1).
Step4. Select the configuration file that just exported to upload.
Step5. Reboot the DNP-211; the DNP-211 will enable the new configuration file.

6 Read and Test



Step1. Execute “DNP-211 Reader” and import configuration file.
Step2. Click “Connect” to start to read data from DNP-211 modbus register.

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