### PFN-2000 Series Modules Quick Start

This Quick Start Guide will provide information needed to get started with PFN-2000. Please also consult the User Manual for detailed information on the setup and use of PFN-2000.

### What's In the Box ?

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



PFN-2000 Module



Product CD

### **Technical Support**

#### • PFN-2000 User Manual

CD: \fieldbus\_cd\profinet\remote io\pfn-2000\manual\ ftp://ftp.icpdas.com/pub/cd/fieldbus\_cd/profinet/remote%20io/pfn-2000/manual/

#### • **PROFINET Website**

http://www.icpdas.com/products/Industrial/profibus/profinet\_intro.htm

### Let's Start

In the following examples the S7-1200 PLC from Siemens is used. The configuration and communication is done by the program "Step 7 V11 (TIA PORTAL)" provided by Siemens. We will establish a PROFINET IO network.

# **1** Connecting to Network, PC, PLC and Power



# **2** Network Configuration

In this example, please follow the below configuration to configure the network.

PC=> IP: 192.168.6.210 Mask: 255.255.0.0

PLC=> Device name: plc1 IP: 192.168.6.211 Mask: 255.255.0.0 PFN-2000=> Device name: pfn-2000 IP: 192.168.6.212 Mask: 255.255.0.0

#### Step 1: Set PC's IP & Mask (IP=192.168.6.210, Mask=255.255.0.0)



## 1. Double Click TIA icon to start Step 7 V11 2. Click "Project view" ì/ TIA Portal V11 3. Search accessible devices 4. Select PLC and click "Online & diagnostics" button 0 Note: At "Online access", select network Note: Select PLC by mac address and click interface card and expand it=>Double click right button=>Click "Online & diagnostics" "Update accessible devices" icon button 5. Set IP and Mask 6. Set device name 0 O 00 Note: Select "Functions"=>Set IP=192.168.6. 211 & Mask=255.255.0.0=>Click "Assign IP

Note: Input device name=plc1=>Click "Assign name" button

Step 3: Set PFN-2000's name and IP

address" button

Step 2: Set PLC's name and IP



# **3** GSD Import

In this example, please follow the step to import GSD file.

```
Step 1: Get GSD file
```

The GSD file can be obtained from companion CD or our FTP site:

CD: \fieldbus\_cd\profinet\remote io\pfn-2000\gsd\ ftp://ftp.icpdas.com/pub/cd/fieldbus\_cd/profinet/remote%20io/pfn-2000/gsd/

Step 2: Import GSD file



# 4 Project Setup

In this example, please follow the step to setup project.

#### Step 1: Create the project







# At this time, the S1A & S2A LEDs of PFN-2000 module should turn on, it means the connection between PLC and PFN-2000 module is established.