



PMC-5151 Quick Start

v2.3, July 2018

Supported Models

- ▶ PMC-5151

Technical Support

- **PMC-5151 User Manual and Firmware:**
 - <http://pmms.icpdas.com/en/download.html>
 - ftp://ftp.icpdas.com/pub/cd/pmc_cd/pmc-5151/
- **PMC-5151 Official Website:**
 - http://pmms.icpdas.com/en/PMC_5151.html

What's in the box?

The package includes the following items:



PMC-5151



microSD card



Screw Driver



Pin Terminal* 16

1 Configuring the Boot Mode

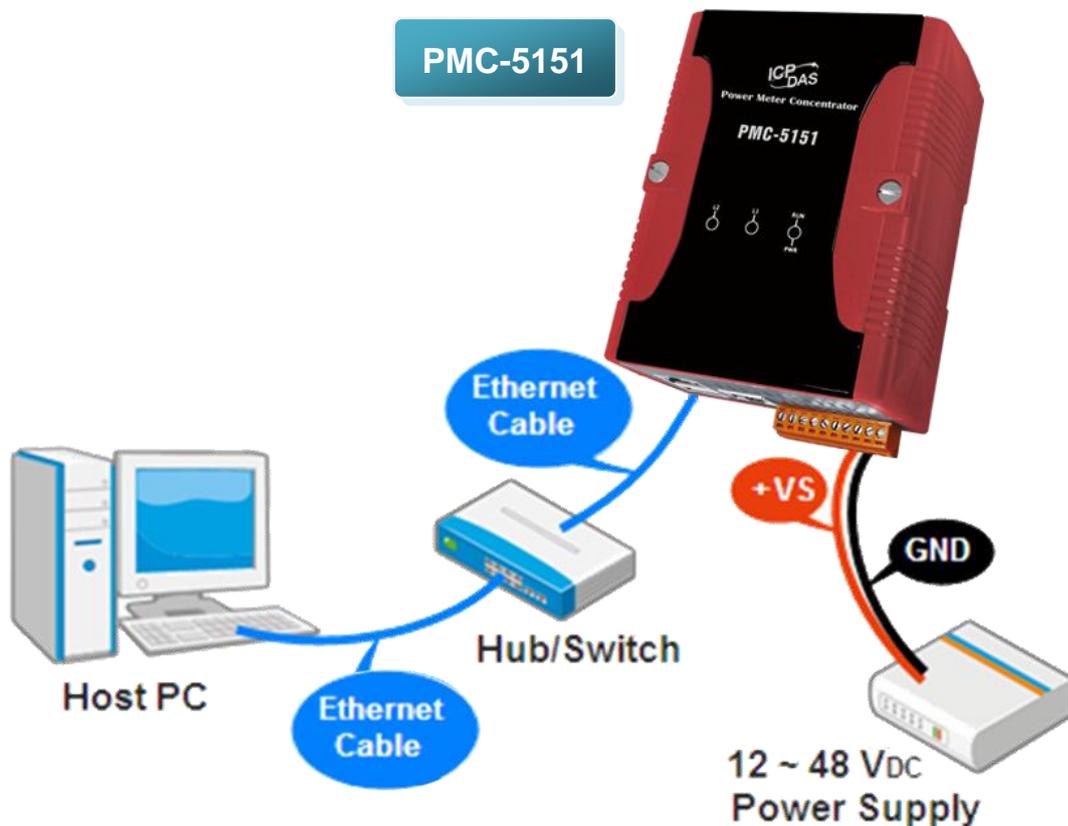
Before starting PMC-5151 at the first time, be sure that the switch is placed in the "0" position.



The rotary switch must be placed in the "0" position

2 Connect to PC, Network and Power

The PMC-5151 is equipped with an RJ-45 Ethernet port for connection to an Ethernet hub/switch and PC. You can also link directly the PMC-5151 to PC with an Ethernet cable.



3 Using Browser to Assign a New IP

The PMC-5151 is an Ethernet controller, which comes with a default IP setting; therefore, you must first assign a new IP setting to the LAN1 port of PMC. The factory default IP settings of PMC are as follows:

Item	Default
IP Address	192.168.255.1
Subnet mask	255.255.0.0
Gateway	192.168.0.1
DNS Server	8.8.8.8 (Default: Google DNS Server)

Follow the following steps for PMC-5151 new IP setting:

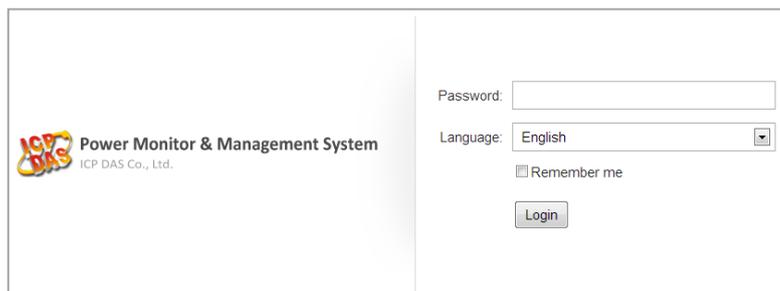
Step1: Change the PC's IP setting as following.

- IP: 192.168.255.10
- Subnet mask: 255.255.0.0
- Gateway address: 192.168.0.1

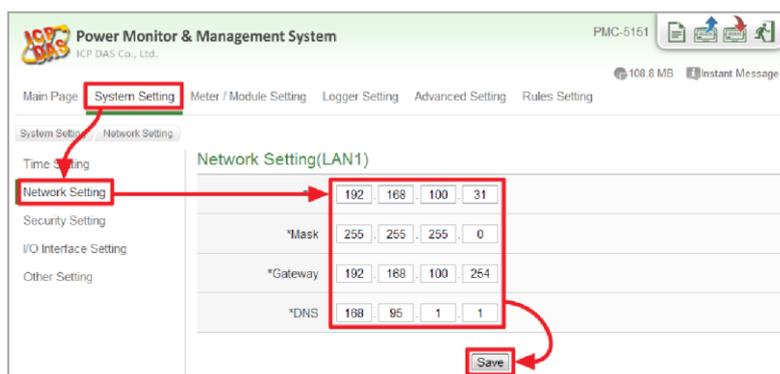
Step2: Make sure the PC and PMC(LAN1) is connecting through Ethernet.

Step3: Open a PC side browser, and type in the URL address (<http://192.168.255.1>) of the PMC to connect the Web Server in PMC.

Step4: Use default Administrator password “Admin” to login the system.



Step5: Please follow the sequence【System Setting】→【Network Setting】→ 【Network Setting(LAN1)】 to change the IP setting of PMC.



Step6: After complete the IP setting, please save it, and then the new IP setting will take effect.

4 Go to PMC-5151 Web Site for Power Management

Please follow the steps below to build a power monitoring and management applications with ICP DAS PMC-5151 & Power Meter.

Step 1: Open a browser, and type in the URL address of the PMC

Open a browser and type in the URL address(The new IP setting) of the PMC in the address bar. Make sure the IP address is accurate.

Step 2: Get on the PMC web site

Get on the PMC web site. Complete the PMC setting in the order:
【Login】→【System Setting】→【Meter / Module Setting】→【Rule Setting】→【Save】 for a power monitoring and management application.

The screenshot displays the 'Power Monitor & Management System' web interface. The main content area is titled 'Power Data Overview' and includes a 'Power Data Classification' section with three dropdown menus set to 'V', 'I', and 'kW'. Below this is a 'Power Meters' section with two tables. The first table is for 'PM-3112' and the second is for 'PM-3114'. Both tables show 'Loop', 'V', 'I', and 'kW' columns. The PM-3114 table has four rows of data. A 'Refresh' button is located at the bottom right of the data area.

Loop	V	I	kW
Loop 1	105.411	0.000	0.000
Loop 2	105.399	13.835	0.960

Loop	V	I	kW
Loop 1	105.412	20.895	1.459
Loop 2	105.412	13.892	0.975
Loop 3	105.416	20.612	1.444
Loop 4	105.416	13.793	0.967

Step 3: For more detail information, please refer to PMC-5151 User Manual