



Quick Start Guide for PMC-5151

December 2014, Version 2.2.0

Welcome!

Thank you for purchasing PMC-5151 – the Power Meter Concentrator for power monitoring and management solution. This Quick Start Guide will provide you with minimum information to get started with PMC-5151. It is intended for use only as a quick reference. For more detailed information and procedures, please refer to the full user manual on the CD included in this package.

What's In the Box?

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



Power Meter Concentrator
(PMC-5151)



microSD card



Software Utility CD



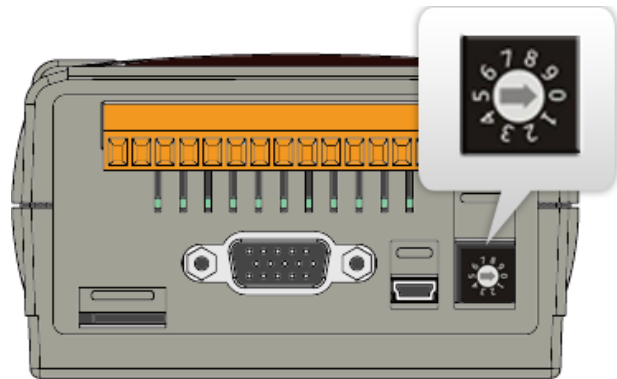
Screw Driver
(1C016)

Technical Support

- **PMC-5151 User Manual**
 - CD:\PMC-5151\Document
 - <http://pmms.icpdas.com/en/download.html>
- **PMC-5151 Website**
http://pmms.icpdas.com/en/PMC_5151.html

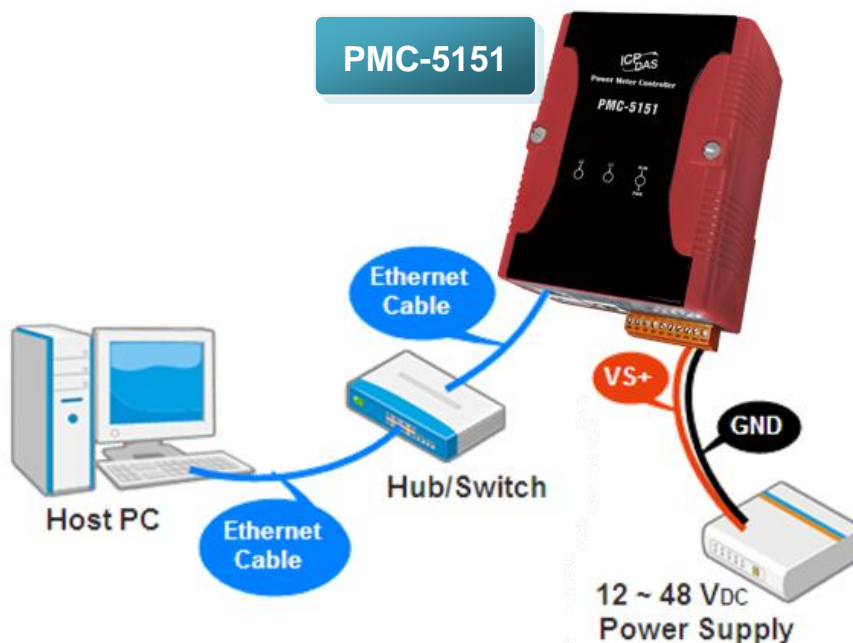
1 Configuring the boot mode

Before starting PMC-5151 at the first time, be sure that the switch is 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-5151. The factory default IP settings of PMC-5151 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-5151(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-5151 to connect the Web Server in PMC-5151.

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-5151.

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-5151

Open a browser and type in the URL address(The new IP setting) of the PMC-5151 in the address bar. Make sure the IP address is accurate.

Step 2: Get on the PMC-5151 web site

Get on the PMC-5151 web site. Complete the PMC-5151 setting in the order: **【Login】** → **【System Setting】** → **【Meter / Module Setting】** → **【Rule Setting】** for a power monitoring and management application.

Power Monitor & Management System
ICP DAS Co., Ltd.

PMC-5151

3732.4 MB Instant Message

Main Page System Setting Meter / Module Setting Logger Setting Advanced Setting Rules Setting

Main Page

Power Meter Information
Power Data Information
Realtime Chart
Historical Chart
Historical Data Report
I/O Information
Event Log

Power Data Overview

Power Data Classification

Data Classification1	Data Classification2	Data Classification3
V	I	kW

Power Meters

PM-3112	Connection status
Loop	V I kW
Loop 1	105.411 0.000 0.000
Loop 2	105.399 13.835 0.960

Detailed information

PM-3114	Connection status
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

Detailed information

Refresh

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



PMC-5151 快速安裝指南

December 2014, Version 2.2.0

歡迎使用 PMC-5151 快速安裝指南

感謝您購買 PMC-5151 電錶集中器(Power Meter Concentrator)。本『快速安裝指南』提供 PMC-5151 安裝入門所需資訊，如需更詳細的安裝及使用說明，請參閱 PMC-5151 使用手冊。

產品內容

除了本『快速安裝指南』外，此產品內容還包括以下配件：



電錶集中器
(PMC-5151)



micro SD 卡



軟體工具光碟



螺絲起子
(1C016)

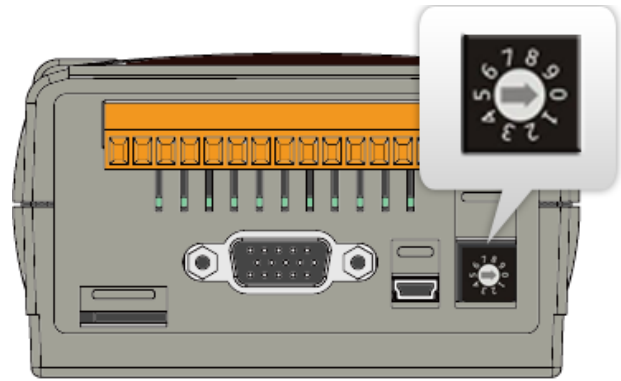
技術支援

- **PMC-5151 使用手冊**
 - CD: \PMC-5151\Document
 - <http://pmms.icpdas.com/download.html>
- **PMC-5151 產品網頁**
http://pmms.icpdas.com/PMC_5151.html

1

檢視啟動模式

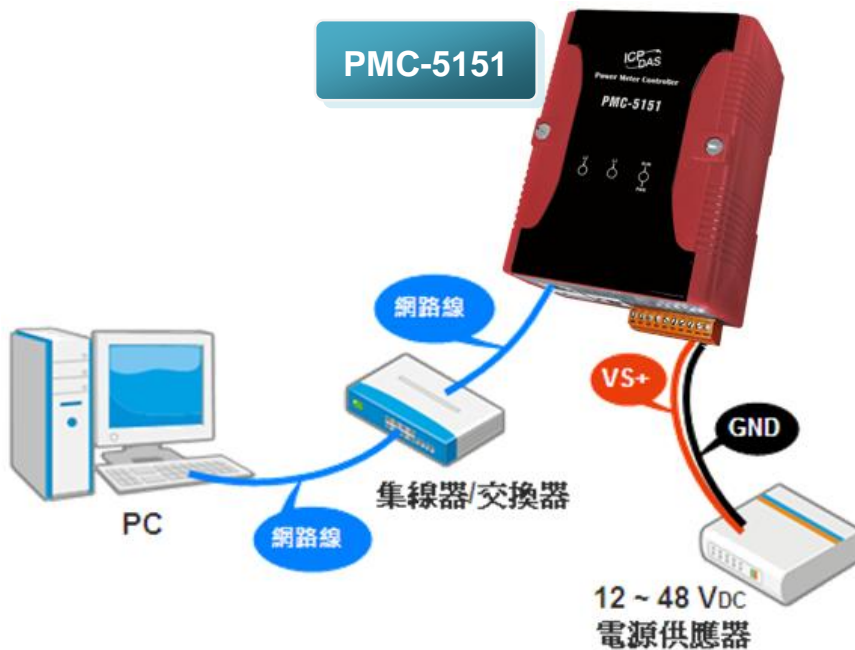
在第一次啟動 PMC-5151 前，請先確認旋轉式按鈕的位置在“0”。



2

連接 PC 主機、網路及電源

PMC-5151 配有標準的網路接口 RJ-45，可透過網路集線器/交換器與 PC 連接，也可直接連到 PC 的網路接口。



3

啟動瀏覽器設定 PMC-5151 的 IP 位址

PMC-5151 電錶集中器在出廠時會統一預設網路設定值，使用者可以依照下列步驟自行變更網路設定。PMC-5151 的 LAN1 網路出廠預設值：

項目	預設值
IP 位址	192.168.255.1
子網路遮罩(subnet mask)	255.255.0.0
通訊閘(gateway)	192.168.0.1
DNS Server	8.8.8.8(預設為 Google DNS Server)

設定步驟

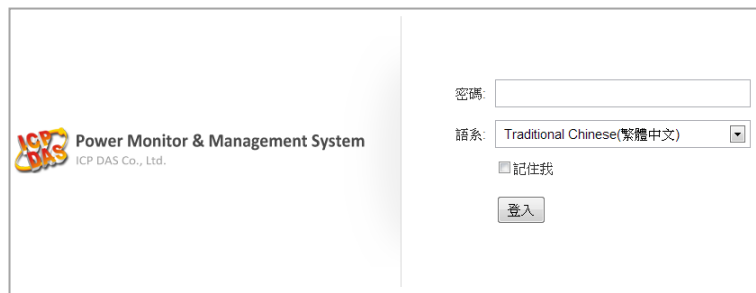
步驟1：將 PC 的網路設定更改為與 PMC-5151 相同網路區段。例如：

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

步驟2：確認 PMC-5151 的 LAN1 與 PC 已透過網路正確連接。

步驟3：開啟 PC 端的瀏覽器並於網址列輸入 <http://192.168.255.1>。

步驟4：輸入管理者預設密碼“Admin”進行登入。



步驟5：登入成功後至【系統參數設定】→【網路設定】→【網路設定(LAN1)】，根據實際網路環境更改網路設定。



步驟6：儲存成功後將 PMC-5151 連接至實際網路環境。

4

前往 PMC-5151 網頁進行電力管理設定

使用者透過 PMC-5151 所提供的網頁，只需使用滑鼠點選設定，即可完成對 PMC-5151 及所連接電錶的電力監控規劃，PMC-5151 網頁並提供電錶電力資訊的即時瀏覽。

步驟一：開啟瀏覽器，填入 PMC-5151 IP 作為瀏覽器的 URL 位址

開啟電腦上的瀏覽器，輸入 PMC-5151 的 IP 作為 URL 位址(如有重新設定 IP，請確認所輸入 IP 是否正確)。

步驟二：進入 PMC-5151 的設定頁面

進入 PMC-5151 所提供的參數設定頁面後，僅需依照首頁上的設定流程：**【系統登入】→【系統參數設定】→【電錶 / 模組設定】→【邏輯規則設定】**，即可完成對 PMC-5151 電錶集中器的相關設定。

The screenshot displays the 'Power Monitor & Management System' web interface. The main content area is titled '電力資訊總覽' (Power Information Overview). It features a '電力資訊類別' (Power Information Category) section with three dropdown menus for '資訊類別1' (Voltage), '資訊類別2' (Current), and '資訊類別3' (Real Power). Below this is a '電表' (Meters) section with two data tables. The first table is for unit 'PM-3112' and the second is for 'PM-3114'. Both tables show columns for '迴路名稱' (Circuit Name), '電壓' (Voltage), '電流' (Current), and '實功率' (Real Power). A '更新資料' (Refresh Data) button is located at the bottom right of the data area.

迴路名稱	電壓	電流	實功率
迴路 1	105.349	0.000	0.000
迴路 2	105.250	14.251	0.960

迴路名稱	電壓	電流	實功率
迴路 1	105.406	21.075	1.450
迴路 2	105.406	13.806	0.975
迴路 3	105.351	20.599	1.444
迴路 4	105.351	13.780	0.967

步驟三：設定流程中的細節，請參照 PMC-5151 操作手冊