



# PMD-x201 Quick Start

v1.2, May 2018

## Supported Models

➤ PMD-2201

➤ PMD-4201

## Technical Support

- **PMD-x201 User Manual and Firmware:**

- <http://pmms.icpdas.com/en/download.html>

- [ftp://ftp.icpdas.com/pub/cd/pmd\\_cd/](ftp://ftp.icpdas.com/pub/cd/pmd_cd/)

- **PMD-x201 Official Website:**

- PMD-2201: [http://pmms.icpdas.com/en/PMD\\_2201.html](http://pmms.icpdas.com/en/PMD_2201.html)

- PMD-4201: [http://pmms.icpdas.com/en/PMD\\_4201.html](http://pmms.icpdas.com/en/PMD_4201.html)

## What's in the box?

The package includes the following items:



**Power Meter Concentrator**

(PMD-x201)



**microSD card**



**Screw Driver (1C016)**



**Cable \* 2**

(CA-090910-A)



**Panel Clip \* 4**



**M4 x 30L Screw \* 4**

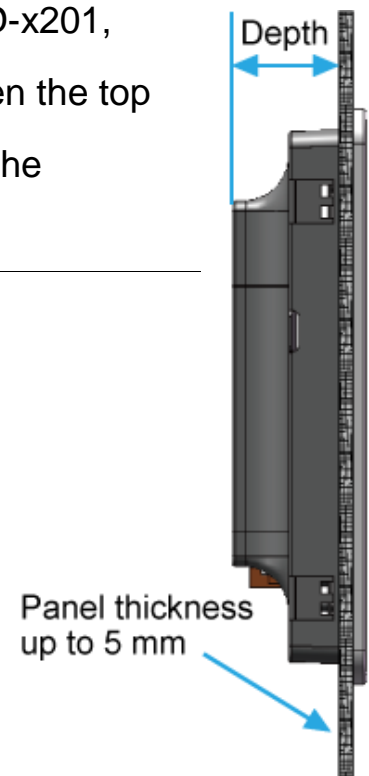
# 1 Mounting the Hardware

The PMD-x201 can be mounted on a panel of maximum thickness 5 mm. Adequate access space can be available at the rear of the instrument panel for wiring and servicing purposes.



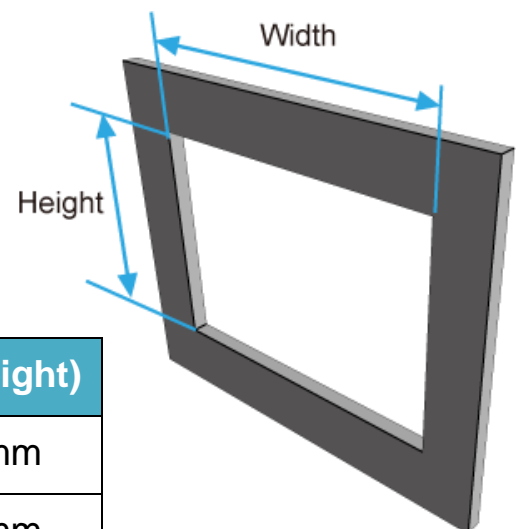
To ensure proper ventilation for your PMD-x201, leave a minimum of 50 mm space between the top and bottom edges of the PMD-x201 and the enclosure panels.

Models	Depth
PMD-2201	44 mm
PMD-4201	54 mm



1) Prepare the panel and cut the hole to the specified size. The table below shows the dimension of the panel cut-out of PMD-x201.

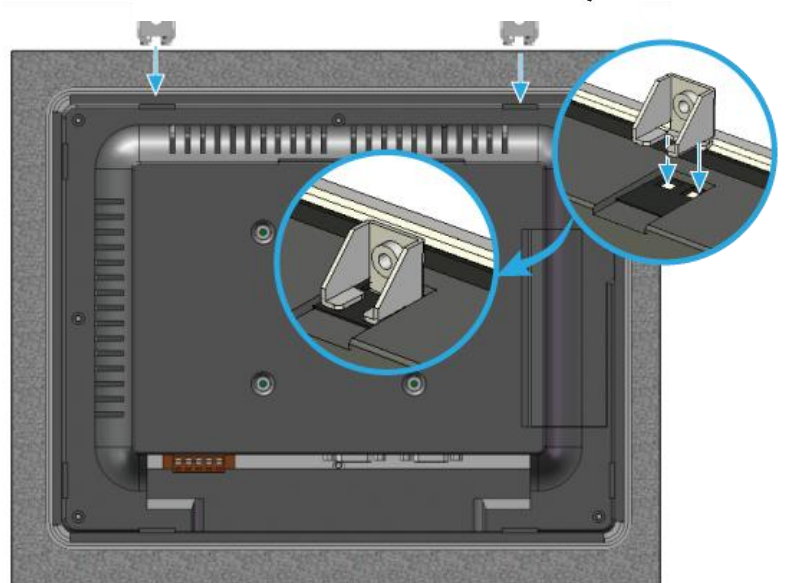
Models	Panel Cut-Out (Width x Height)
PMD-2201	197 mm x 133 mm, $\pm 1$ mm
PMD-4201	277 mm x 215 mm, $\pm 1$ mm



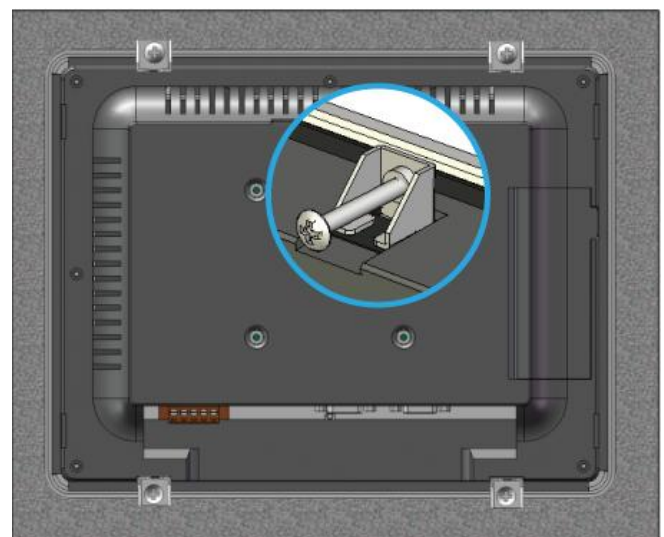
2) Attach the PMD-x201 to the cut-out hole.



3) Insert the panel mounting clips into the upper and lower ventilation holes.



4) Screw the panel mounting clips to the panel.



Recommended Screw Torque: 3.4 ~ 4.5 kgf-cm.

## 2 Configuring the boot mode

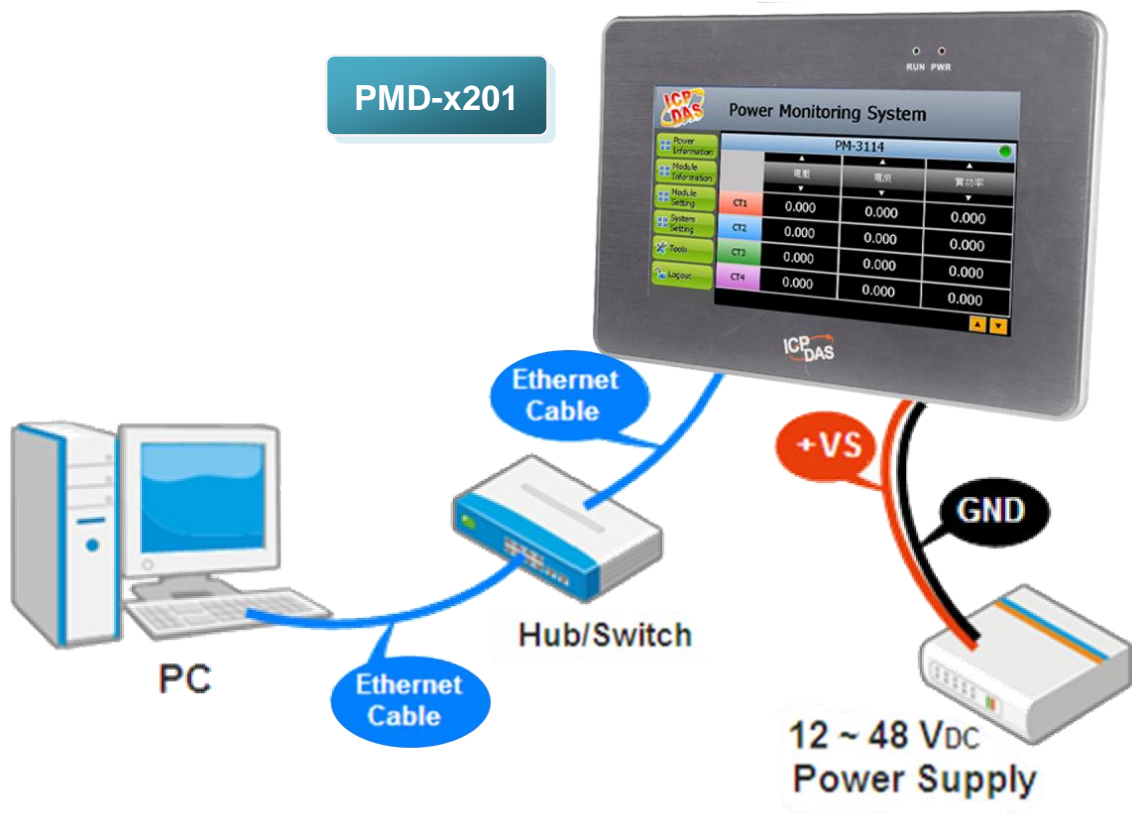
Before starting PMD-x201 at the first time, be sure that the rotary switch is placed in the "0" position.



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

## 3 Connect to PC, Network and Power

The PMD-x201 is equipped with an RJ-45 Ethernet port for connection to an Ethernet hub/switch and PC. You can also link directly the PMD-x201 to PC with an Ethernet cable.



# 4 Assign a New IP to PMD-x201

The PMD-x201 is an Ethernet controller, which comes with a default IP setting. The factory default IP settings of LAN1 are as follows:

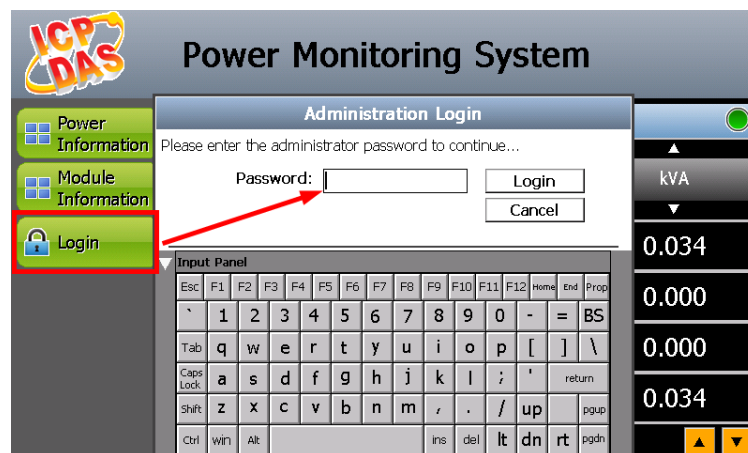
Item	Default
IP Address	192.168.255.1
Subnet mask	255.255.0.0
Gateway	192.168.0.1
DNS Server	8.8.8.8 (Default: Google DNS Server)

The user can modify the Network setting of PMD-x201 by two interfaces **(local side display interface and remote side Web page interface)**.

The Network setting steps of PMD-x201 are as below:

## 1. Network setting by Local Side Display Interface

Step1: Login PMD-x201 as the Administrator. Click the “System Setting” button.



Step2: Click the “Network Setting” on the “System Setting” menu.



Step3: Modify the PMD-x201 network setting to fit current network environment.

Network Setting(LAN1)	
IP	192.168.100.186
Mask	255.255.255.0
Gateway	192.168.100.254
DNS	8.8.8.8

Port Setting	
Web Server Port	80
Modbus TCP Port	502
Modbus NetID	1

Save

Step4: Clicking on the “Save” button to save the setting.

Now you can use the Browser to connect to the PMD-x201’s IP address to open the Web page of PMD-x201.

## 2. Network setting by Remote Side Web Page Interface

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 PMD-x201(LAN1) is connecting through Ethernet.

Step3: Open a PC side browser, and type in the URL address (<http://192.168.255.1>) of the PMD-x201 to connect the Web Server in PMD-x201.

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

Power Monitor & Management System  
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Password:

Language: English

Remember me

Login

Step5: Please follow the sequence 【System Setting】 → 【Network Setting】 → 【Network Setting(LAN1)】 to change the IP setting of PMD-x201.

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PMG-5161

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

System Setting Network Setting

Time Setting

Security Setting

I/O Interface Setting

Other Setting

Network Setting(LAN1)

IP	192	168	100	186
*Mask	255	255	255	0
*Gateway	192	168	100	254
*DNS	168	95	1	1

Save

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

# 5 Go to PMD-x201 Web Site for Power Management

Please follow the steps below to build a power monitoring and management applications with ICP DAS PMD-x201 & Power Meter.

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

Open a browser and type in the URL address(The new IP setting) of the PMD-x201 in the address bar. Make sure the IP address is accurate.

## Step 2: Get on the PMD web site

Get on the PMD web site. Complete the PMD-x201 setting in the order: **【Login】** → **【System Setting】** → **【Meter / Module Setting】** → **【Rule Setting】** → **【Save】** for a power monitoring and management application.

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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 PMD-x201 User Manual