



# IPM-401W

## User Manual



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# Product Overview

## Features

1. Built in Web Server Design, directly control by web browser – PC & Smartphone :  
Internet Explorer (IE) , Firefox , Google Chrome,  
Safari ( iPhone ) and Android browser of smartphone
2. Support WiFi - Wireless 802.11 N/ B/ G and WPS connection  
( WPA-PSK, WPA2-PSK, AES,128-bit WEP,64-bit WEP,TKIP, WPA2,WPA )
3. Support HTTPS , TCP/ IP , DHCP, DDNS, SNMP & SMTP
4. Control 4 individual outlet power ON & OFF .
5. Detect the consumed current of 4 individual outlet & show in LIVE line chart
6. Over Current protection and record Current Value history
7. Temperature detection - for Internal use only
8. Support **USB Webcam( W/ UPNP, M-JPEG / YUV )** to view the area near IPM-401W.
9. With IR remote controller : control directly without need through PC web browser
10. Time scheduler : Multiple time setting for each outlet power ON , OFF or REBOOT
11. Auto Ping (Watchdog) capability to control external devices automatically
12. E-mail functionality for
13. notifying user - Support public e-mail --**Google mail & Hotmail** . .
14. Supply “ Log “ function to store device information and usage record
15. Fuse protection as power overloading ( total 10Amp)
16. Support Telnet , SNMP , and HTTP CGI command ( SDK) for system integration
17. CNT Technology – for quick and easy setup without port forwarding on Router , just plug and play
18. IP Server: for quick search and easy access in Internet by name without thru DDNS.  
Easily find on internet without remember the complicated IP address number
19. Option : RS232 control ( request by OEM /ODM only )

## Specification

- Power input : 100V - 240V
- Maximum loading of each output: 9 amp
- Maximum of Total loading : 10 amp ( 220V) / 15amp ( 110V)
- Fuse protection : 10 amp ( with spare fuse in socket )
- Dimensions: 195 x 135 x 48 mm ( L x W x H )
- Weight: 1kg

## Minimum System Requirements





WINDOS PC OS with network capacity.

Browser : **IE 9.0 or above** , Firefox, Google Chrome , Safari

RJ45 LAN & Internet HUB & Switch

**JAVA version 1.60** or above to check **USB Webcam under web browser Internet Explorer -IE**  
Internet ( for remote access) or Ethernet Network ( Internal Network use) with some type of  
Internet connection, (i.e. ADSL, Cable, Dial up or any other forms of Internet service)

## Package Contents

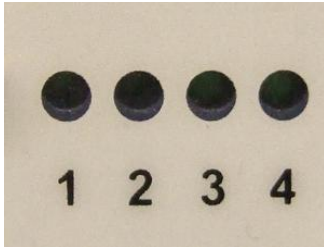
<b>Package Contents</b>	
1. IPM-401W Unit x 1	
2. IR Remote Power Control	
3. IPM-401W Installation CD	
3. WiFi Antenna X 2 pcs	
5. RJ45 Cable x 1 (option)	
5.) Input Power Cable (option)	Please double check the power cable compatible for 10 amp current loading .

# Interface Description

## Front View



### Power Status Indicator:



The Power Status Indicator - Green light ON as power ON.

### Reset :



**There are 2 function for this button.**

\* **Enable WPS function by one short click**  
There is one long beep as enable WPS function. Please refer page #16 for details.






\* **Set back to default setting by long press**

To reset to original manufacture settings, hold down the reset button with a sharpen pin for 5- 6 seconds then release. There are THREE beeps response ( short — mid long – short ) which means reset successfully and IPM-401W will be rebooted itself ( one beep after reboot ) and most information go back to default setting ( LAN IP )

### Restart :



The restart button just resets the device by turning off and then turning on the power.

<p><b>Link:</b></p> 	<p>The Link Indicator shows the WiFi signal transfer status. The light will be ON all the time and flashing while transfer data.</p>
<p><b>IR Receiver :</b></p> 	<p>This area is for receiving the signal from handheld IR remote controller which comes in shipping package.</p>
<p><b>Network:</b></p> 	<p>10/100 Mbps network</p>
<p><b>USB:</b></p> 	<p>USB 2.0 for USB Web Camera. (With UPNP &amp; video format as M-JPG / YUV )</p>
<p><b>RS232 Serial Port Console :</b></p> 	<p>Under construction</p>

## Rear View

### Rear View



#### 4 Output Power Ports:



Connect up to 4 separate devices that will be controlled by the IPM-401W. Ports 1 - 4

#### 1 Input Power Port :



In this socket, there is power input and Fuse socket .

- The input power sends power to the IPM-401W.
- **Fuse** : To prevent electrical surges from damaging the unit. The IPM-401W comes with one spare fuse in the unit.

**TYPE** : U/C GFE 10A 250V (PF)

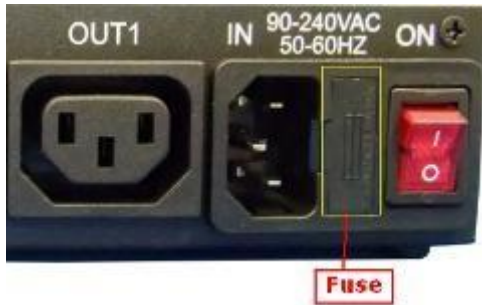
#### 1 Power Switch:



The Power switch turns on the input power.

## Fuse replacement

1.) The fuse is located between the power switch and the power input plugs.

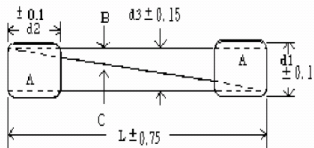


2.) Carefully remove the fuse holder with a flat screwdriver.



3.) The fuse can be purchased from electronic shops.

Specification : U/C GFE 10A 250V (PF)





# Setting up your device

## ***Before we Start***

\*Before setting up the device make sure of the following:

- 1.) All the package contents are all included if anything is missing please contact the dealer where the device was purchased from.
- 2.) Check the power input cable is working correctly.
- 3.) Check all cables to make sure there are no problems with it.

## ***Hardware Connection***

Please refer following procedure :

- 1.) Connect the Ethernet cable (RJ45) to the IPM-401W to your local area network. 2.) Then connect the power cable into the power input port of the IPM-401W.
- 3.) Connect the device that you would like to control to the output plug on the top of the IPM-401W. 4.) Switching the power source to ON status , this switch is located at the rear of 9258.
- 5.) After power on for around 45 seconds , there is a short beep sound for IPM-401W which means the system reboot successfully
- 5.) Go to page #14 for software installation guide – use IP EDIT to log in the webpage of IPM-401W.

Note: To change the network setting for WiFi connection ( if your Router without WPS function ) , please go to page # 12 to setup the WiFi connection manually .

## ***Software Installation***

The **Media Link - IP Family CD** comes with the device , it will have all the necessary software to run and setup the device.

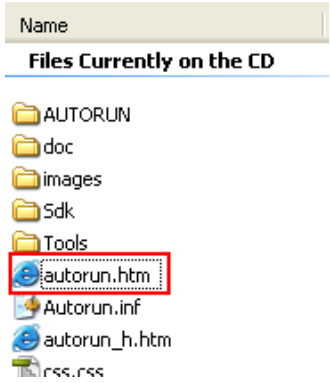
### **IP Power Software:**

IP Edit (Required)

IP Power Center \*( For multiple IP Power devices control )

## **Installing Software**

- 1.) Place the **Media Link-IP Family CD** into the CD/DVD Rom drive.  
(The CD should auto run but if it does not go to the CD/DVD Rom drive and select the “**autorun.html**” file.)



2.) Click on the IP Power Section Bar



3.) Select the IP Power IPM-401W

4.) All the available downloads for the IPM-401W will be shown



5.) Download the required software – **IPEdit.exe** - by clicking on the download button.



Then you can select to connect IPM-401W by LAN or by WAN ( WPS)



## Connection by WiFi- WPS ( WiFi Protection Service )

IP Power IPM-401W support WPS function which can assist user setup the WiFi connection of user's router and IP Power IPM-401W automatically . Before using WPS function, please check your WiFi router and see if there has WPS function first . There should have a button name "WPS / QCC " or a sign on the router for user to click easily.

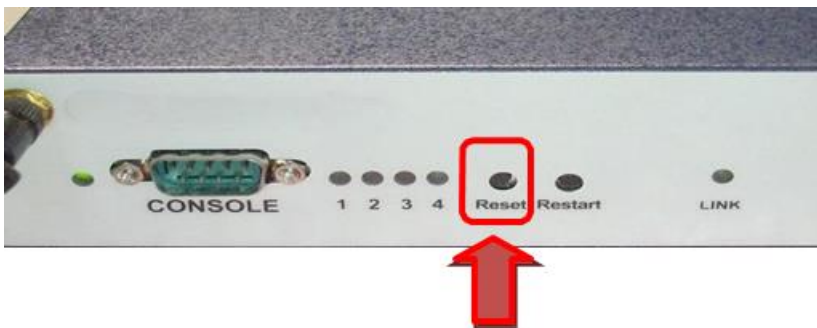
Please refer following steps to setup WiFi –WPS connection

Step 1: Power on the IPM-401W - only connect power in but do not connect the LAN cable , you will hear one short beep in 40 seconds means IPM-401W boot successfully

Step 2: Press the "WPS button" of your WiFi Router. ( Please check your router WPS function )



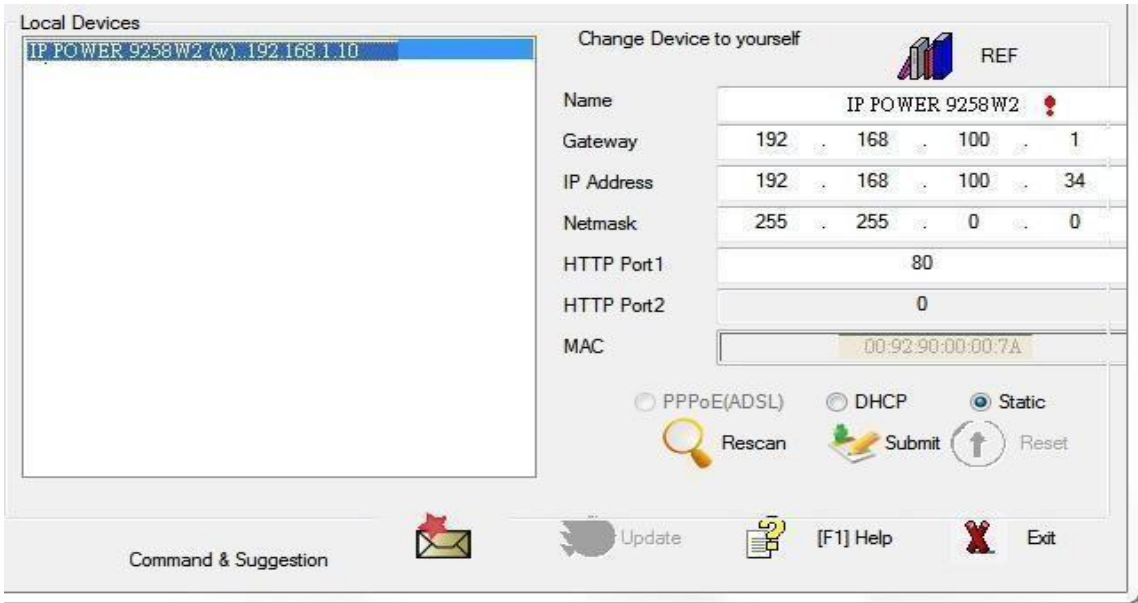
Step 3 : Press One time ( short ) the " Reset button" of IPM-401W and then there is one long beep which means the WPS function of IPM-401W enable .



Step 4: After few seconds , there are 2 beep : short Beep + middle beep  
Which means WPS connection successfully  
( If WPS connection fail , there is one long beep mean the connection fail.  
Please go back to step 2 and try again )

Step 5: Power to reboot IPM-401W . There is one short beep in 45 seconds which means IPM-401W boot up successfully .

Step 6 : Execute IPEDIT.exe . There is WiFi IP address of IPM-401W shown in IPEDIT.exe as following :

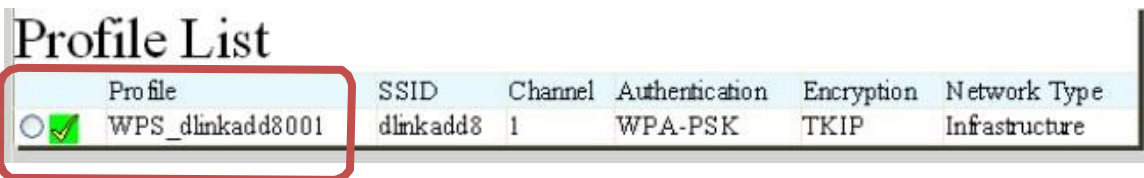


Step 7 : Double click the IP address and your PC will execute web browser like IE ,Firefox or Google Chrome and there is wizard pop up to enquire the Username and Password .

Username : admin

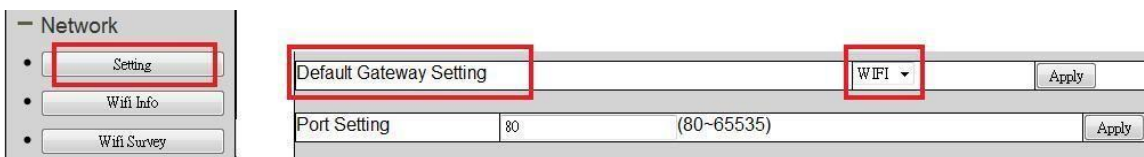
Password : 12345678

Step 8 : For the WiFi connection by WPS way , user can check here :  
Network → WiFi Info → Profile list



To make this WiFi IP Address can be found on Internet, please arrange 2 settings as log in the IPM-401W webpage:

1<sup>st</sup> : Please go to “ Network → Setting → Default gateway Setting “ and change as WiFi for the Default gateway Setting .



2<sup>nd</sup> : Please do the port mapping / port forwarding in your router ( Need to check the router manual ).

## Connection by LAN –Network cable

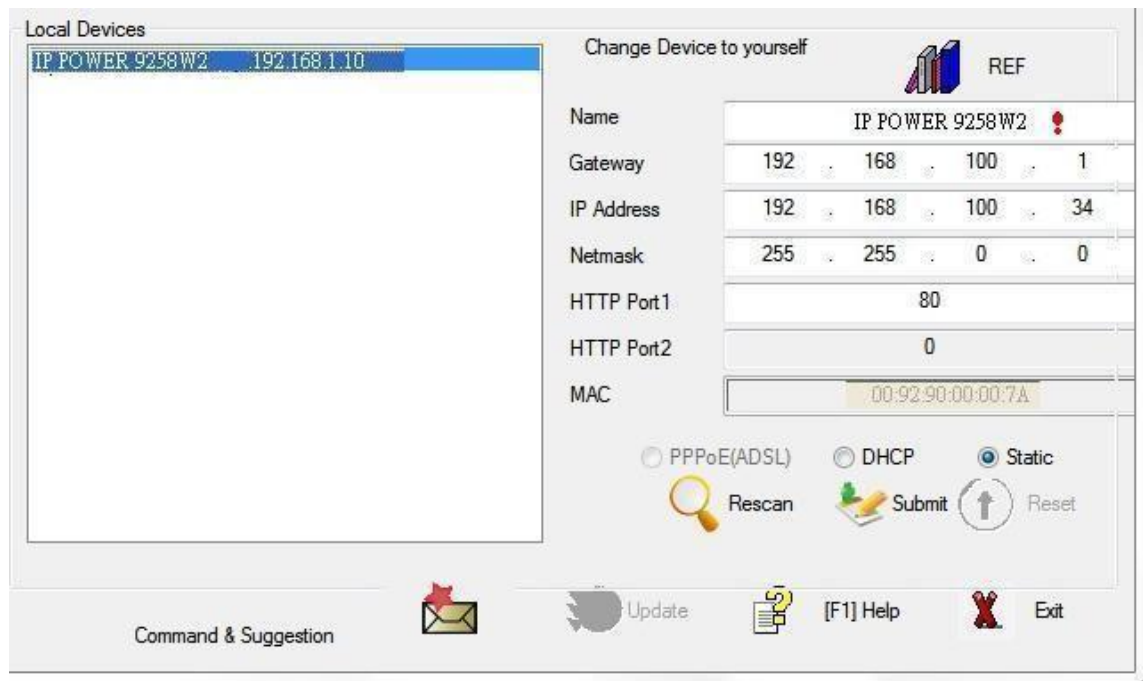
User can also use LAN network cable to connect IPM-401W .

Please refer following steps to setup LAN connection

Step 1: Connect the LAN cable to IPM-401W .The LAN cable should be connected to a Router / HUB + Router.

Step 2 : Connect power cable to IPM-401W and Power on the IPM-401W .There is one short beep in 45 seconds after IPM-401W power up .The short beep means IPM-401W boot up successfully

Step 3 : After hear the one short beep , please execute IPEDIT.exe . There is IP address of IPM-401W showed in the right side of IPEDIT.exe following :



Step 7 : Double click the IP address and your PC will execute web browser like IE ,Firefox or Google Chrome and there is wizard pop up which inquire username and password .

Username : admin

Password : 12345678

## About IPEDIT



IP Edit is a search tool designed to search, configure, or access the IP Power IPM-401W from a local networked computer.

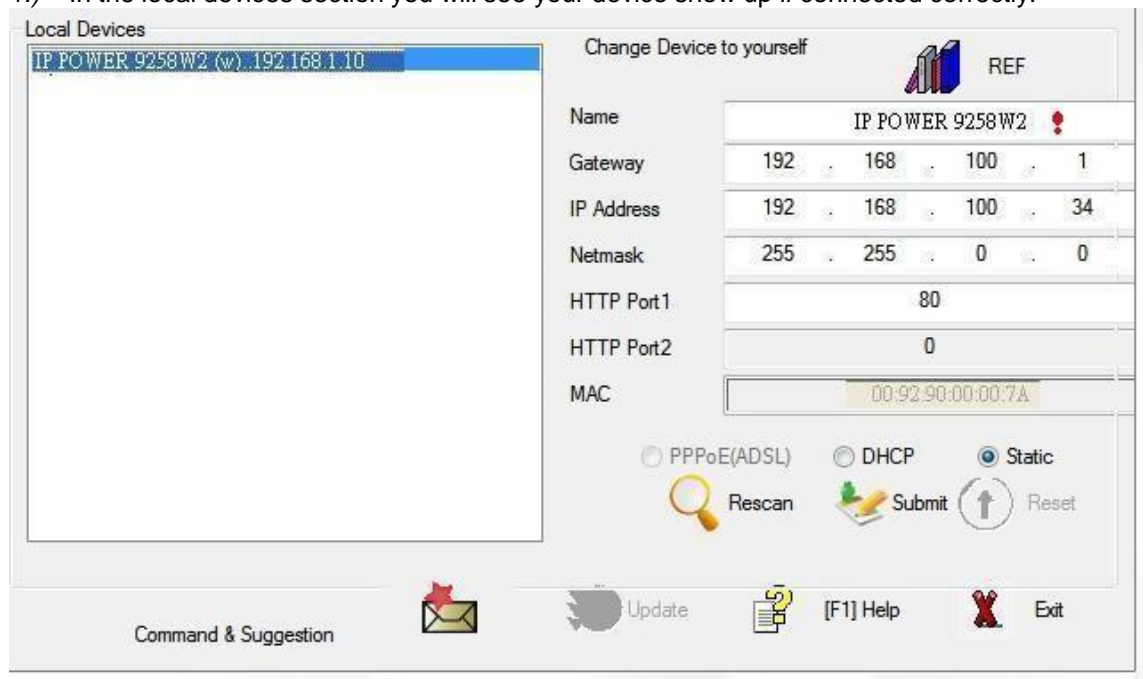
### IP Power IPM-401W Default Login / Password

**Default IP:** 192.168.1.168 (When no DHCP is apparent)

**Default Login:** admin

**Default Password:** 12345678

1.) In the local devices section you will see your device show up if connected correctly.



2.) Select the IPM-401W device and the device information will pop up on the right.

3.) Check to see that the gateway IP and the IP Address (IPM-401W) match your current

network. If not, type in the correct information, then hit the submit button to save changes.

*For example:*

*If you have the following information regarding the IPM-401W and your network*

**Your PC Network :**

**Computer IP Address:** 192.168.1.122  
**Gateway:** 192.168.1.1  
**Sub Net mask:** 255.255.255.0  
**Port:** 80

**Your IPM-401W in IPEDIT :**

**IPM-401W IP Address:** 192.168.100.34  
**Gateway:** 192.168.100.1  
**Sub Net mask:** 255.255.0.0  
**Port:** 80

*Since the IP Address of the IPM-401W is : 192.168.100.34*

You will need to make sure that the first 3 segments of your IPM-401W IP Address must match the first 3 segments of your gateway IP.

First 3 Segment of Gateway Address: 192.168.1.X

So your new IP Address for the IPM-401W should be: 192.168.1.XXX

**New Network Information**

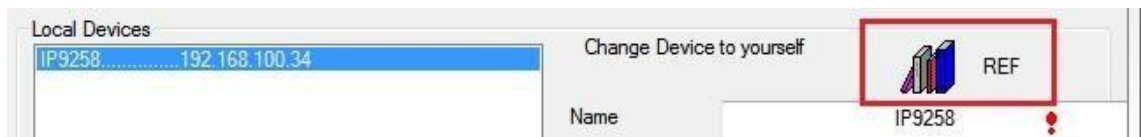
**IPM-401W IP Address:** 192.168.1.26  
**Gateway Address:** 192.168.1.1  
**Local Computer IP Address:** 192.168.1.122  
**Sub Net mask:** 255.255.255.0  
**Port:** 80

- 4.) Press the rescan button to see if changes have been made.
- 5.) Double click on the device in the local device section and an IE web browser with the device login will pop up.
- 6.) Type in the default Login and IP Address to enter the device.

Default Login : admin  
Default : 12345678

**Notice :**

\* User can click " REF " in IEPDIT to auto search proper IP setting for IPM-401W. It will take few minutes to show the suggest wizard.





REF Setting

Name IP9258\_b1

Gateway 192.168.100.1

IP Address 192.168.100.2

Netmask 255.255.255.0

APPLY CANCEL

Please click APPLY as seeing the suggest wizard , click " yes " to ignore the remind message of IP being used and then type the username and password to change the IP setting.

Username : admin

Password : 12345678

## Internet Setup

To connect the IP Power IPM-401W on Internet, there are two ways

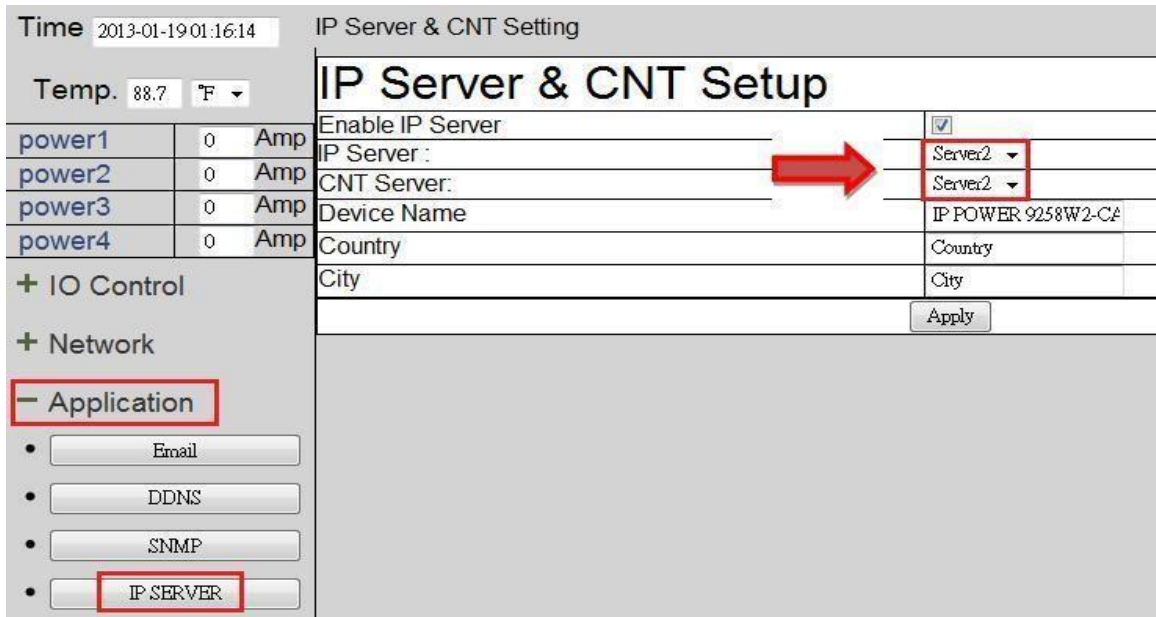
- Setup Port Mapping / Port Forwarding in your router. Please check your Router owner's manual .
- Use software " IP Power Center " : Please refer to owner's manual in CD of IPM-401W .

## Using IP Server

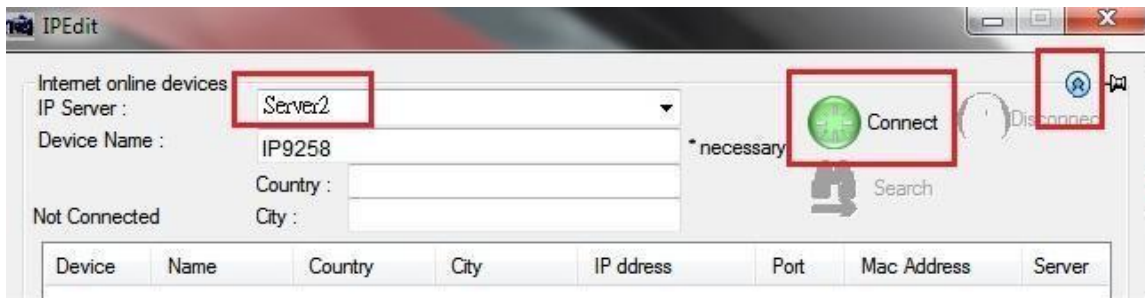
IP Server is a function which allows you to search for the device easily without having to remember long complicated IP address. Instead, if you know the device's name of your IP Power device and you can easily find IP Address with IP Service.

In the IP IPM-401W under the system configuration page, you can select the IP Server that you would like the IPM-401W to go for . You can select from the server or the Cloud Server. This function must be turned on to work.

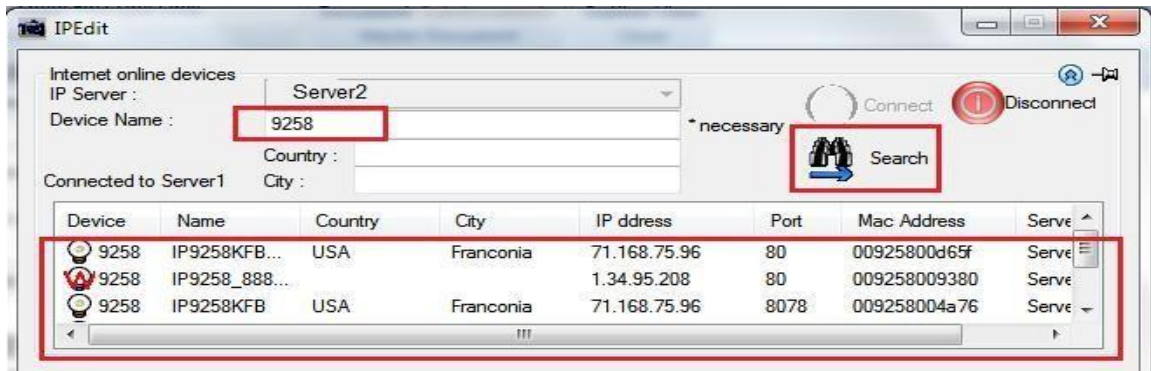
*\* IP Power IPM-401W must be port forwarded for IP Server to work correctly.*



- 1.) Open IP Edit and select the server that your IPM-401W is designated to.
- 2.) Hit the Green Connect button on the top of IPedit.



- 3.) Then type in the IPM-401W Name that you have selected for the device and press the Search button.
- 4.) Find your device and double click on the screen and a IE window will pop up connecting to your device. *\*Your device must be Port Forwarded for the login screen to appear.*



5.) After you have connected to your device, type in the Login and Password for your device

## Web Interface

### ***Connect to your Device***

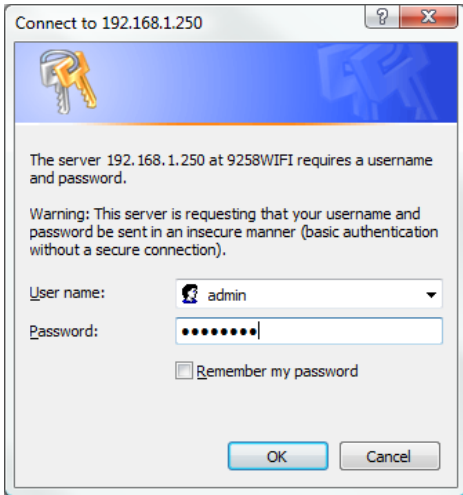
Once the IPM-401W has been setup correctly, log into the device.

#### **First Option**

- 1.) Go to IP EDIT find the device that is being used
- 2.) Double click on the device linked and an IE window will appear with the loading screen

#### **Second Option**

- 1.) Open Internet Explorer type in the IP Address of the device followed by the : sign.  
For example: http:192.168.122.188:9258  
192.168.122.188 – IP Address  
9258 – Port
- 2.) Once you have typed in the IP address of the IPM-401W and it is ready to use.



The default password for the IPM-401W

**Username :** admin

**Password:** 12345678

The Control Console

The Right Panel of the Web Interface controls the functionality and setup of the IP Power IPM-401W.

Time 2013-04-18 16:34:14		power1	power2	power3	power4
Temp. 89.2 F					
power1	0 Amp				
power2	0 Amp				
power3	0 Amp				
power4	0 Amp				
+ IO Control		<b>Advance setup</b>			
+ Network		<b>Group Setting</b>			
+ Application		<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF
+ System		<input type="button" value="Apply"/>			
Logout		<b>Alarm Setting</b>			
		<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep
		<input type="button" value="Apply"/>			
		<b>Power Cycle</b>			
1	Sec(1-99)	1	Sec(1-99)	1	Sec(1-99)
<input type="button" value="Apply"/>		<input type="button" value="Apply"/>		<input type="button" value="Apply"/>	
		<b>Power-On Reset</b>			
LAST		LAST		LAST	
		<input type="button" value="Apply"/>			

The IP Power IPM-401W Console consists of six main sections which will be explained in details below.

- **PC Mode / Mobile Mode**

- **Time :**

- **Temp & Current :**

- **IO Control :**

Controls

Scheduler

Ping

Time Line ( for Current )

History ( Current Setting )

- **Network :**

Setting : Internet Status

WiFi Info

WiFi Survey

WPS

- **Application**

Email

DDNS

SNMP

IP Server

Web Camera

- **System**

Management

Sys Information

Sys Log

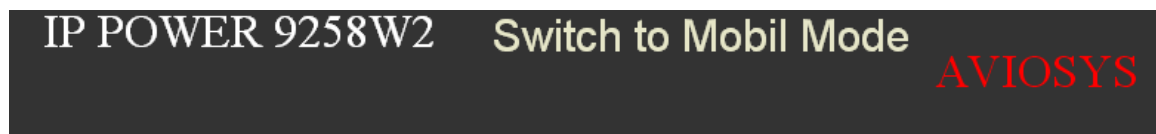
Firmware

- **Logout**

## Device name , PC / Mobile Mode :

This section show the device name and switch of PC / Mobile mode

### Device name :



You can change the device name here : Application → IP Server → Device name  
Change name " IP POWER IPM-401W " as "Enjoy IPM-401W "







Please change the name in English only and do not use symbol like !@#\$\$%^&\*()\_+

## PC / Mobile mode

For smart phone user to control IPM-401W Easily , there are different webpage for PC and for smart phone :

- PC Mode : For PC user

All the complete function of IPM-401W can be found in PC model.

power1	power2	power3	power4
			
<b>Advace setup</b>			
<b>Group Setting</b>			
<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF
<input type="button" value="Apply"/>			
<b>Alarm Setting</b>			
<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep
<input type="button" value="Apply"/>			
<b>Power Cycle</b>			
1 Sec(1~99)	1 Sec(1~99)	1 Sec(1~99)	1 Sec(1~99)
<input type="button" value="Apply"/>	<input type="button" value="Apply"/>	<input type="button" value="Apply"/>	<input type="button" value="Apply"/>
<b>Power-On Reset</b>			
LAST ▾	LAST ▾	LAST ▾	LAST ▾
<input type="button" value="Apply"/>			

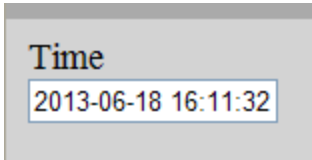
- Mobile model : For smart phone user

In Mobile mode, user can see the consumption of the current amp , control the ON/OFF status and adjust the maximum current limit of each port and



## Time :

This section showed the time.



To amend the time , Please go to “ System → Management → NTP Settings

power1	0	Amp
power2	0	Amp
power3	0	Amp
power4	0	Amp

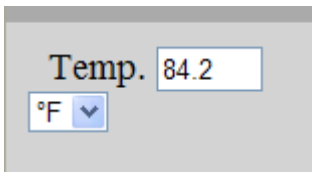
<b>Adminstrator Settings</b>	
Account	admin
Password	●●●●●●●●
Authority:	<input checked="" type="radio"/> Admin <input type="radio"/> Operator <input type="radio"/> Viewer
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

<b>NTP Settings</b>	
Date	04 / 18 / 2013 (MM/DD/YY)
Time	16 : 36 : 31 (HH-MM:SS) <input type="button" value="Apply"/>
Current Time	Thu Apr 18 16:36:31 GMT 2013 <input type="button" value="Sync with host"/>
Time Zone:	(GMT+08:00) China Coast, Hong Kong
NTP Server	tw.pool.ntp.org ex: time.nist.gov ntp0.broad.mit.edu time.stdtime.gov.tw
NTP synchronization(hours)	1 <input type="button" value="Apply"/>

## Temp & Current :

This section showed the consumed current ( ampere) of each power and the internal temperature which display as ° F or ° C . ) ( F = Fahrenheit , C = Celsius )



## IO Control :





The IO Control Section allows you to directly / automatically control the outlets of the IPM-401W as well as schedule daily, weekly, and monthly power cycles.

There are 5 segments : Controls , Schedule , Ping , Timeline and History.



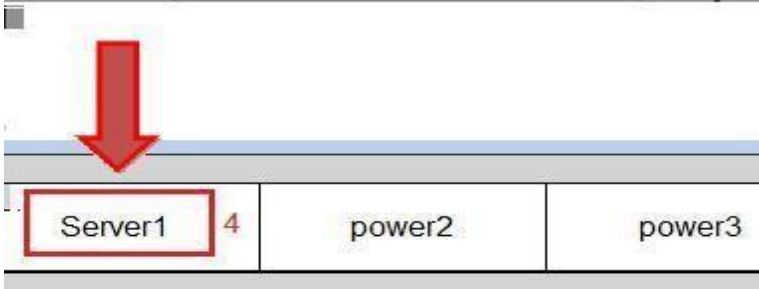


### Control

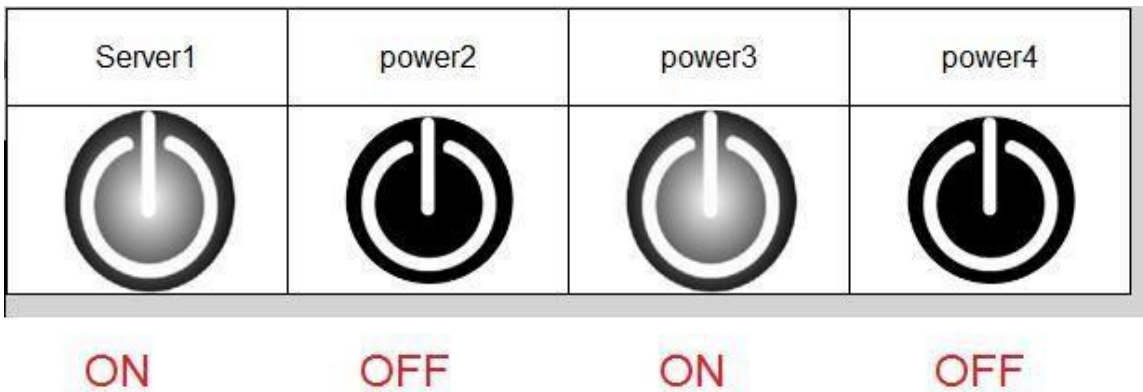
power1	power2	power3	power4
			
<b>Advance setup</b>			
<b>Group Setting</b>			
<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF
<input type="button" value="Apply"/>			
<b>Alarm Setting</b>			
<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input type="checkbox"/> E-mail <input type="checkbox"/> Beep
<input type="button" value="Apply"/>			
<b>Power Cycle</b>			
1 Sec(1~99)	1 Sec(1~99)	1 Sec(1~99)	1 Sec(1~99)
<input type="button" value="Apply"/>	<input type="button" value="Apply"/>	<input type="button" value="Apply"/>	<input type="button" value="Apply"/>
<b>Power-On Reset</b>			
LAST ▾	LAST ▾	LAST ▾	LAST ▾
<input type="button" value="Apply"/>			

The Power Controls page allows you to setup the name of each port, control each power or all the 4 powers ,ON / OFF enable alarm as outlet status change , and also the power status as Reboot.

- **Name:** User can name each power by click the name above the power button



- **Controls:** The control section will allow you to **turn ON** or **turn OFF** each outlet



- **Group Setting :** The control section allow you to **turn on** or **turn off** 4 outlets at same time Please click “Apply “ after select ON/OFF of each port .
- **Alarm Setting :** The control section allow you set alarm by Email / Beep sound.  
To get Email about of power status , please go to “ Application → Email.
- **Power On Reset :** The control section allow you to set the power status on ON or OFF when the device power Reboot .

The alarm section allows the IPM-401W to notify you when an outlet has been turned ON or OFF. There are two ways that you can be notified either by E-mail or by a beeping sound.

After click “ Apply “ , the webpage will refresh and you can see the final setting result.

## Schedule

I / O Scheduler

Schedule Setting			
Schedule NO.	1		
Cycle	Cycle: <input type="text" value="Once"/>		
Time	Date: <input type="text"/> Time: <input type="text" value="15"/> : <input type="text" value="54"/> : <input type="text" value="54"/> (Hr:Min:Sec)		
Action			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
<input type="text" value="OFF"/>	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>
<input type="button" value="Add"/>			

Scheduler  
**No Profile**

The scheduler allows you to power devices or turn them **ON/OFF** a **planned** scheduled time or basis.

Schedule Setting			
Schedule NO.	1		
Cycle	Cycle: <input type="text" value="Once"/>		
Time	Date: 2013/03/14 Time: <input type="text" value="16"/> : <input type="text" value="08"/> : <input type="text" value="58"/> (Hr:Min:Sec)		
Action			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Server1	power2	power3	power4
<input type="text" value="ON"/>	<input type="text" value="OFF"/>	<input type="text" value="OFF"/>	<input type="text" value="ON"/>
<input type="button" value="Add"/>			

Adding a scheduled event

1. Select the action Cycle :

There are 3 selections - Once , Every Day . Every Week

Cycle	Cycle: <input type="text" value="Every Week"/> Week: <input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday <input type="checkbox"/> Saturday
Time	Date: <input type="text" value="2013/04/01"/> to <input type="text" value="2013/05/31"/> Time: <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="48"/> (Hr:Min:Sec)

2. Select the Date and Time : By click the calendar  
**Select a specific date range where the device will repeat the desired actions during the time specified.**

Clear														Close																											
<Prev														Today														Next>													
March							2013							April 2013							May 2013																				
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa																					
					1	2	1	2	3	4	5	6					1	2	3	4																					
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11																					
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18																					
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25																					
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31																						
31																																									

3. Choose the Action : Enable power # by check in the square , select power action as

ACTION			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Server1	power2	power3	power4
ON ▾	OFF ▾	OFF ▾	ON ▾
Add			

Once the scheduler has been setup , hit the ADD button and you will see your setting located on the bottom of the Action section .

## Schedule Setting

Schedule NO.	4		
Cycle	Cycle: Every Week ▾		
Time	Date: 2013/04/18		
	Time: 01 ▾ : 00 ▾ : 00 ▾ (Hr:Min:Sec)		
<b>Action</b>			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
power1	power2	power3	power4
OFF ▾	OFF ▾	OFF ▾	ON ▾
<input type="button" value="Add"/>			

### Scheduler

Index	Start Day	End Day	Time	Port	Action	Cycle		Edit	Delete
01	2013/04/18		17:07:08	<input checked="" type="checkbox"/> power1 <input checked="" type="checkbox"/> power2 <input type="checkbox"/> power3 <input type="checkbox"/> power4	OFF OFF OFF OFF	Once		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
02	2013/04/18	2013/04/25	17:00:00	<input type="checkbox"/> power1 <input type="checkbox"/> power2 <input checked="" type="checkbox"/> power3 <input type="checkbox"/> power4	OFF OFF OFF OFF	Every Day		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
03	2013/04/18	2016/08/11	01:00:00	<input type="checkbox"/> power1 <input type="checkbox"/> power2 <input type="checkbox"/> power3 <input checked="" type="checkbox"/> power4	OFF OFF OFF ON	Week	<input type="checkbox"/> Sunday <input checked="" type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input checked="" type="checkbox"/> Friday <input type="checkbox"/> Saturday	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

### Edit a schedule event :

1. Please click EDIT bottom of that schedule need revise
2. then change the setting of Cycle, Time , and Action .
3. Press Add button to confirm the setting and you will see the page refresh and new setting display in Scheduler list

## Schedule Setting

Schedule NO.	1		
Cycle	Cycle: Every Day ▾		
Time	Date: 2013/04/01 to 2013/05/31		
	Time: 00 ▾ : 00 ▾ : 48 ▾ (Hr:Min:Sec)		
<b>Action</b>			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
OFF ▾	OFF ▾	OFF ▾	OFF ▾
<input type="button" value="Add"/>			

### Scheduler

Index	Start Day	End Day	Time	Port	Action	Cycle	Edit	Delete
01	2013/04/01	2013/05/31	00:08:48	<input type="checkbox"/> Server1 <input type="checkbox"/> power2 <input checked="" type="checkbox"/> power3 <input type="checkbox"/> power4	ON OFF ON ON	Every Day	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

### Removing a Scheduled Event :

Please click Delete button of that schedule need remove .

## Ping

The ping function on IPM-401W allows the device to automatically Ping an IP Address to act as a watchdog to make sure the device getting Pinged is working properly.

Ping Config Setting			
Ping Config Setting			
Base Setting			
Ping Interval:	000	Seconds	
Ping Time Out:	0000	Millisecond	
Apply			
Ping Setting			
NO.	1	Ping Action	Stop
IP & Host Name	www.yahoo.com	Ping failed	00 times then action
Mode:	<input type="radio"/> None <input type="radio"/> OR <input checked="" type="radio"/> And		
IP & Host Name(AND)	www.google.com	Ping Failed	00 times then action
Action			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
power1	power2	power3	power4
OFF	OFF	OFF	OFF
Sec	Sec	Sec	Sec
Apply Delete			

Let's start by describing the sections of the Ping Interface.

**Note : One power can only accept one ping setting**



Please click the “ Ping Config setting “ and then show out the setting section.

**Ping Config Setting**

**Base Setting**

Ping Interval:	600	Seconds
Ping Echo Wait:	60000	Millisecond

Apply

**Ping Setting**

NO.	1	Ping Action	Stop
IP & Host Name	0	Ping Test	Ping Failures 00
Mode:	<input type="radio"/> None <input type="radio"/> OR <input checked="" type="radio"/> And		
IP & Host Name(AND)	0	Ping Test	Ping Failures 00

**Action**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
ON	ON	ON	ON
Sec	Sec	Sec	Sec

Apply Delete

**Ping Period** Action Delay: #1 PING every 600 sec.

**Ping Adress** IP /Domain Name: [ ]

**Condition** Echo / Repeat / Logic: Max. 60sec 00 times

**Action** Off/On/Reset: 1 2 3 4

**Action** Repeat/Stop: Stop

1. Base Setting : For all 4 powers

- Ping Interval (Seconds): The number of seconds between each ping . Value range at 0 ~ 600
- Ping Echo Wait (Milliseconds): The number of milliseconds the device will wait for a response from the pinged device if no ping is detected within this time it will be considered a ping failure. Value range at 0~60000

This 2 settings are for all 4 powers .

Base Setting	
Ping Interval:	600 Seconds
Ping Echo Wait:	60000 Millisecond
Apply	

2. Ping Setting :

Ping Setting			
NO.	1	Ping Action	Stop
IP & Host Name	<input type="text"/>	Ping Test	Ping Failures 00
Mode:	<input type="radio"/> None <input type="radio"/> OR <input checked="" type="radio"/> And		
IP & Host Name(AND)	<input type="text"/>	Ping Test	Ping Failures 00

- No. : The number of which power to use Ping function
- Ping Action : Stop and Continue ping after the action is activated .
- IP & Host Name : Input the IP Address ( ex: 122.116.123.138) or web address (eee.google.com) of the IP you would like to ping. Select the action that you would like the Ping Function to use when the device being Ping cannot be located or is not responding. User can use the " ping test " bottom to check the address valid or not
- Ping Failure: The number of ping failures before the Action is activated. The setting times rage is 1 to 99. Select the number of Ping Failures that you would like to occur before the action is activated. The reddish pink number to the right represents the actual number of ping failures. Keep in mind that four consecutive pings equals to 1 Ping failure.
- Mode : User can select the action was activated by one / two IP Host fail or either one fail ( Mode OR) or both fail ( Mode AND ) .

**None** : Only ping one Host IP. Action( Power ON/OFF/RESET) will be activated .

Ping Setting			
NO.	2	Ping Action	Stop
IP & Host Name	192.168.100.123	Ping Test	Ping Failures 00
Mode:	<input checked="" type="radio"/> None <input type="radio"/> OR <input type="radio"/> And		

**OR** : IPM-401W will Ping 2 IP address. Either one IP fail times up to the setting times in "Ping Failure" . Action (ON/OFF/RESET) will be activated .

Ping Setting			
NO.	2	Ping Action	Stop
IP & Host Name	192.168.100.123	Ping Test	Ping Failures 00
Mode:	<input type="radio"/> None <input checked="" type="radio"/> OR <input type="radio"/> And		
IP & Host Name(OR)	61.59.37.153	Ping Test	Ping Failures



**AND** : IPM-401W will Ping 2 IP address. Both IP fail depends on the setting times in "Ping Failure". Action (ON/OFF/RESET) will be activated.

Ping Setting			
NO.	2	Ping Action	Stop
IP & Host Name	192.168.100.123	Ping Test	Ping Failures 00
Mode:	<input type="radio"/> None <input type="radio"/> OR <input checked="" type="radio"/> And		
IP & Host Name(AND)	61.59.37.153	Ping Test	Ping Failures 00

### 3. Action ( Ping Section )

When the number of Ping Failures have been reached. The device can be set to perform a **ON**, **OFF** or Reset function

Action			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
OFF	Reset	OFF	ON
Sec 020	Sec	Sec	Se
Apply		Delete	

- **Enable** section : Select the power to activate as ping fails by the mark " v " in the small box

Action			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
OFF	Reset	OFF	ON
Sec 020	Sec	Sec	Se
Apply		Delete	

- **Reset**: Can set up the time gap of OFF to ON. The " Sec " section is for action as Reset only

Action			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Server1	power2	power3	power4
OFF	Reset	OFF	ON
Sec 020	Sec	Sec	Se
Apply		Delete	

## Timeline

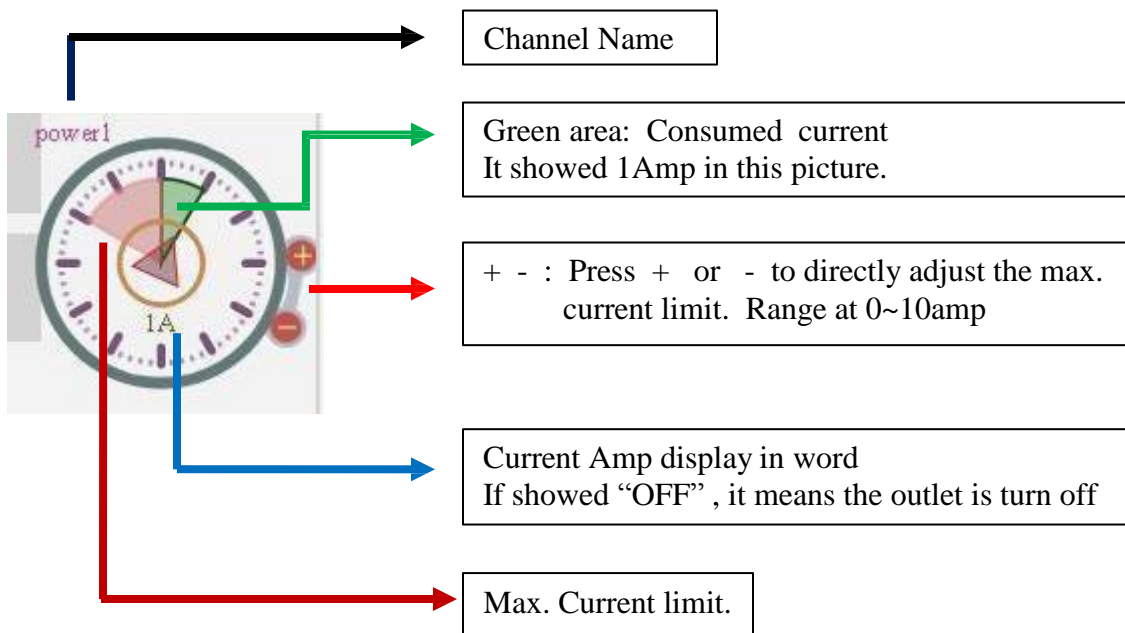
To see this section display normally, please do use IE9.0 or above, Firefox, Google Chrome or Safari and set resolution at 1280\*768 .

This section is for monitor the Ampere ( =Amp ) value each power consumed and is for setup the maximum value of each power . The maximum Amp of each power is 10Amp. User can click the “Up / Down “ button directly to change the maximum Amp value of each power.

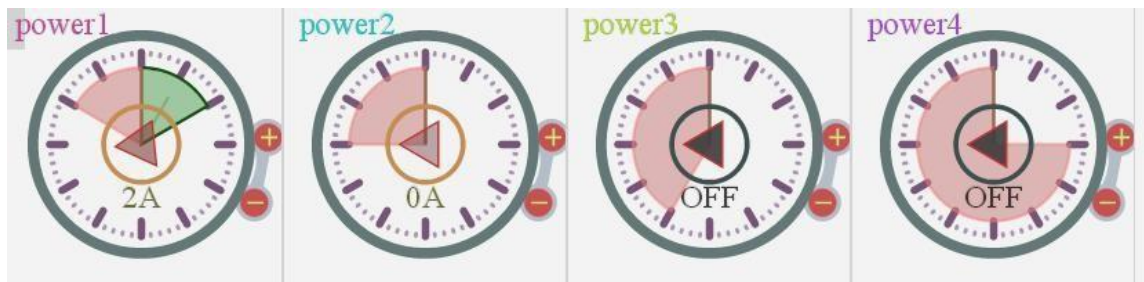
There is information board show “ Time, Current Limit , Power name and the value of consumed current “ as move the mouse in the chart .

### Display Interface:

- A. Clock section :  
In this section , user can get the consumed current of each port in chart & word, and directly setup the max. limit current of each output .



A-1 : In the following chart , it shows different of the max. limit of current .

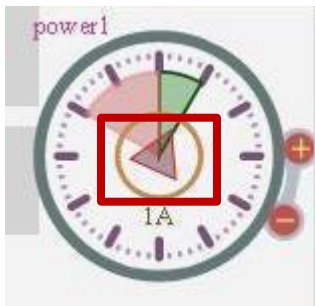


Power 1 : Max. current limit as 10amp. The consumed current now is 1A  
 Power 2 : Max. current limit as 9 amp. The consumed current now is 0A. ( Output turn ON )  
 Power 3 : Max. current limit as 7amp. The output is turn off.  
 Power 4 : Max. current limit as 3amp. The output is turn off.

**Note : If the detected current output power 1 is over the max. limit current value setting, then power 1 will turn off automatically in few second .**

A-2 :

The Triangle in the middle of chart will keep circling means the current is keep consuming.



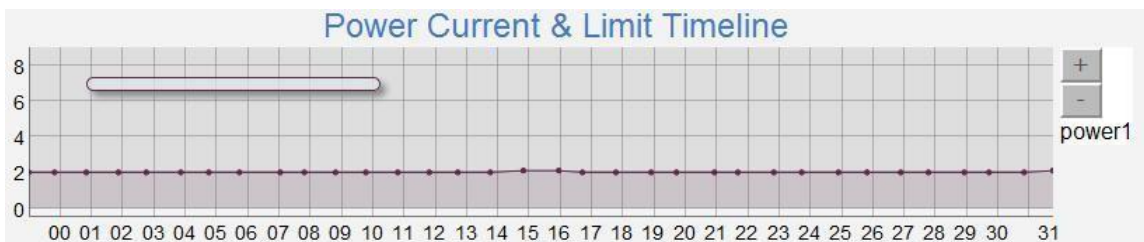
B. Curve Chart section :

In this section, user can see the consumed current value with live update chart while time past show from time to time .

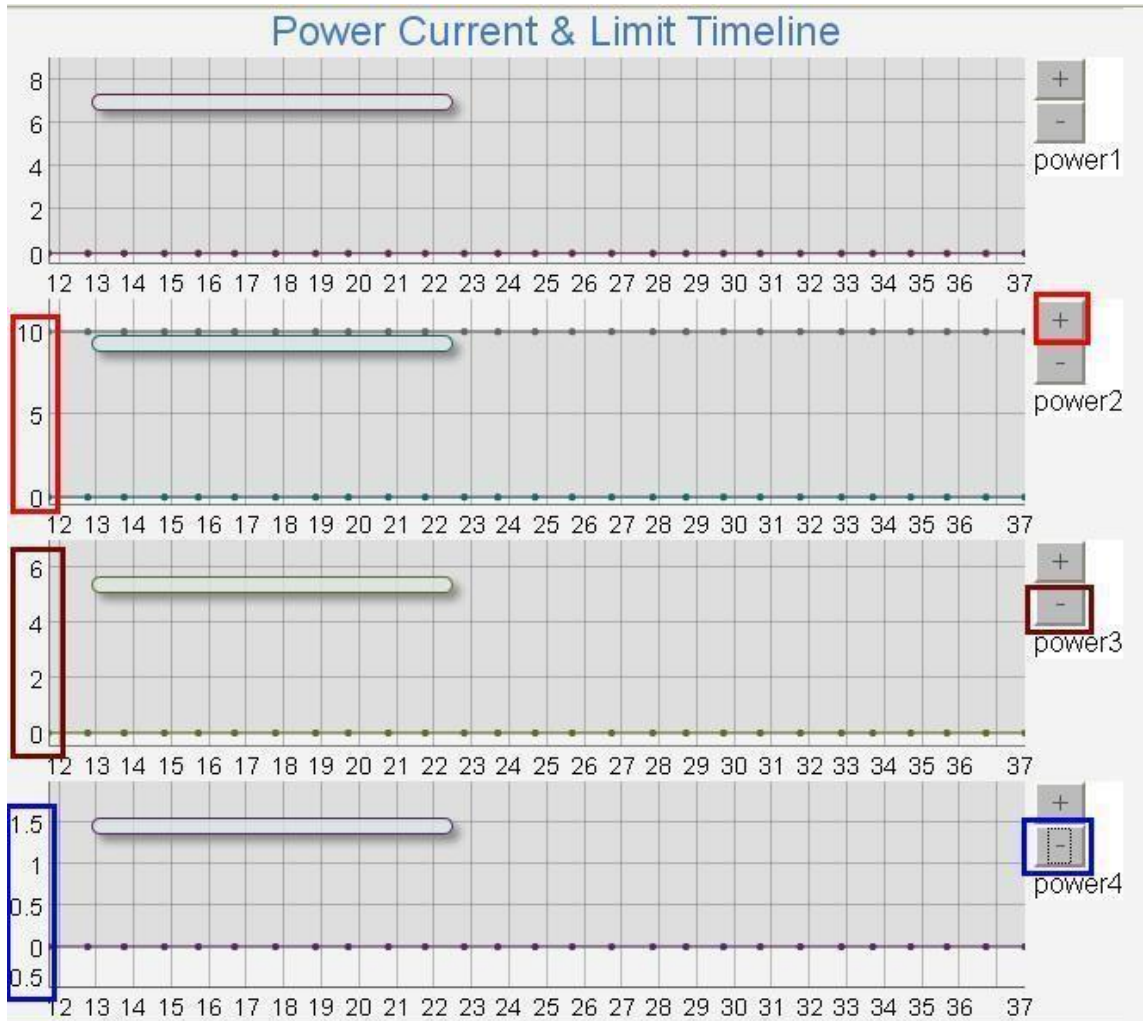
B-1 In X axis - horizon , it show time in second . In Y axis – vertical , it shows current value in ampere.

User can see the consumed ampere from past 15 seconds in the chart.

The default maximum time showed in the chart is 30 seconds and 10 amp.



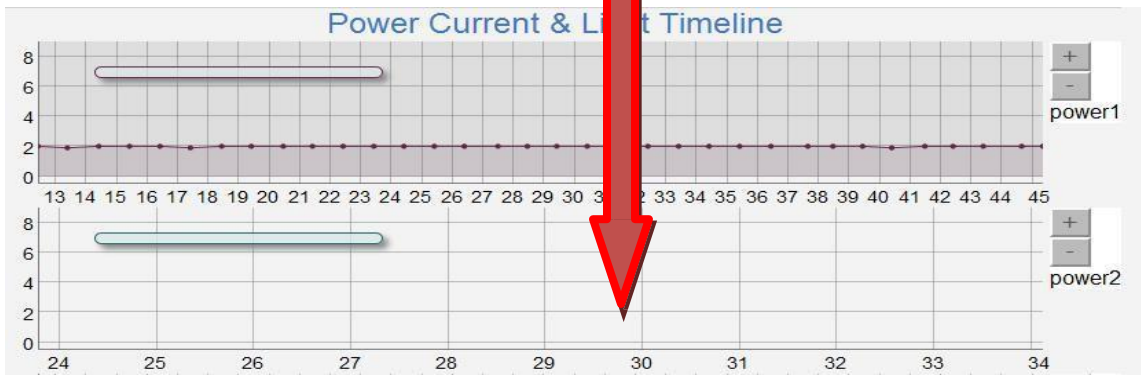
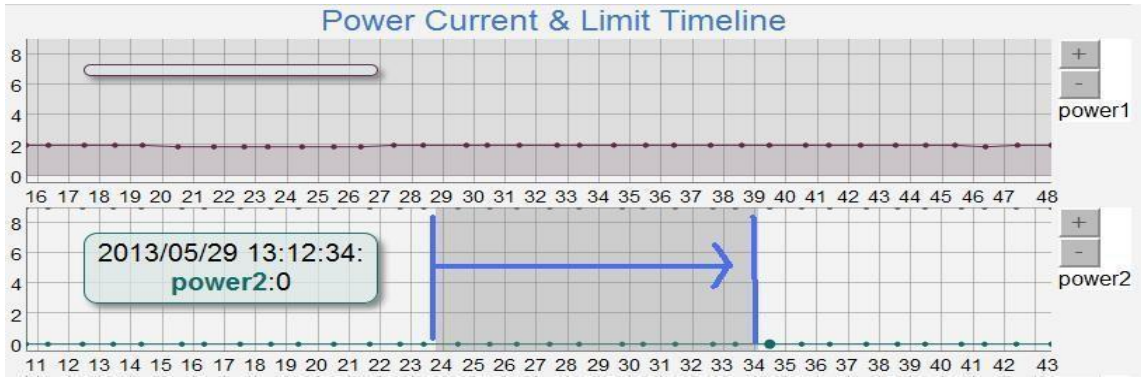
B-2 User can adjust the Current display range by pressing the + / - button at right side as following : .



B-3 User can change the time gap difference by mouse : Select the time area you would like show on chart . To go back to original display as 10 seconds , please click “Current Limit” of IO Control section at left area .

For example :

Select the range time by mouse - keep clicking left button and and drag select area



B-4 As mouse move to the line chart , there is message board shows time, current and consumed power current in a square as following:



### Over Current Protection ( Max. Current limit )

There has over current protection in IPM-401W. As the Amp value of power A is over the setting or over the maximum value 10 Amp, IPM-401W will automatically turn off that power A in few seconds .

There is an alarm with beep sound and via e-mail advice as over current. The alarm can be enable or disable for each power in Alarm setting of Power Control in IO Control section.

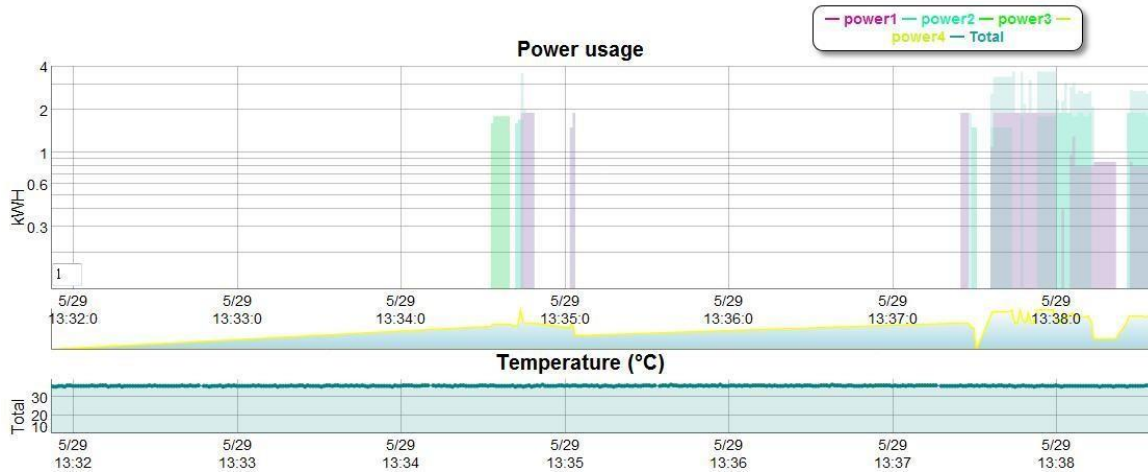
As the detected Amp value is over the current limit setting, IPM-401W will keep short 2 beep for several times to remind the over loading issue happened and then turn off that output after a long beeping .

## History :

To see this section display, please do use IE9.0 or above or Firefox . and set resolution at 1280\*768 .

User can see the power usage history around one year in this section.

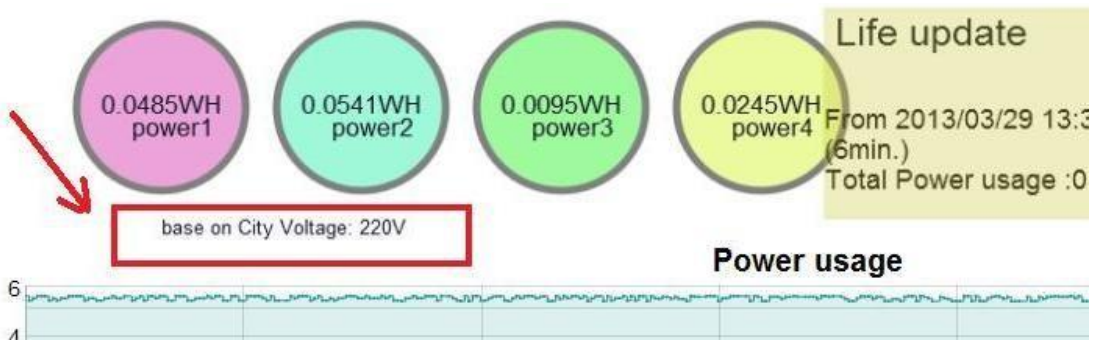
Note : The history will be deleted after device power Reboot .



This section display the " Current Ampere " usage of each power and the "Temperature" value .

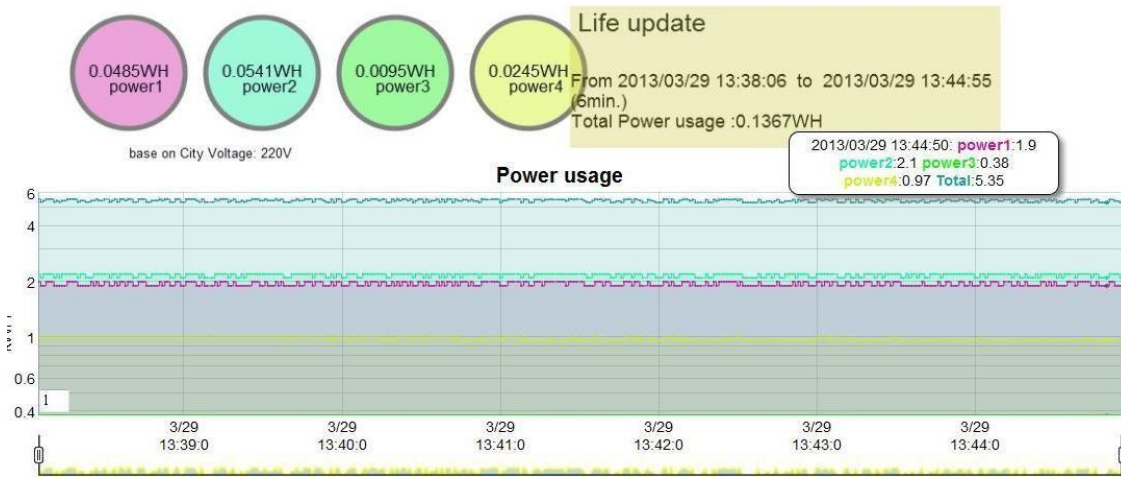
Before check the chart please do select the Voltage of your environment :


Please click the area to change the City Voltage between **110 / 120 / 220 / 240 V**





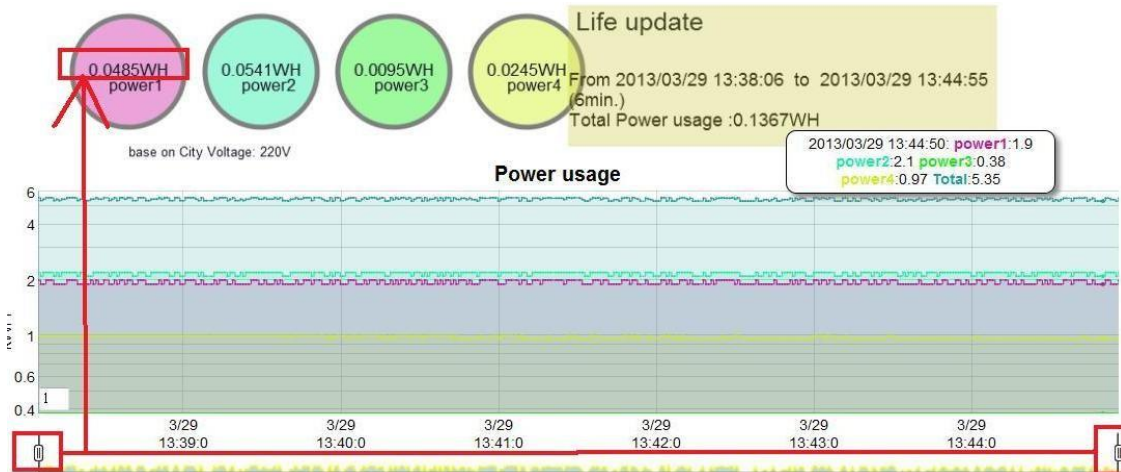
In Power Usage Chart ( Up chart ) :



A. There are 4 color coding round signs on the left side show the total WH ( Watt –Hour) of each power consumption in select area. User can move the 2 time gap sign  to get the total consumed WH value of the select time range.

For example :

During 2013/03/29 13:38 ~ 13:44 ,the total WH of Power 1 consumed is 0.0485WH.



B. Life update information :

Show the total power usage in WH during the time.

### C. Power Usage Chart

There are different color show each power :

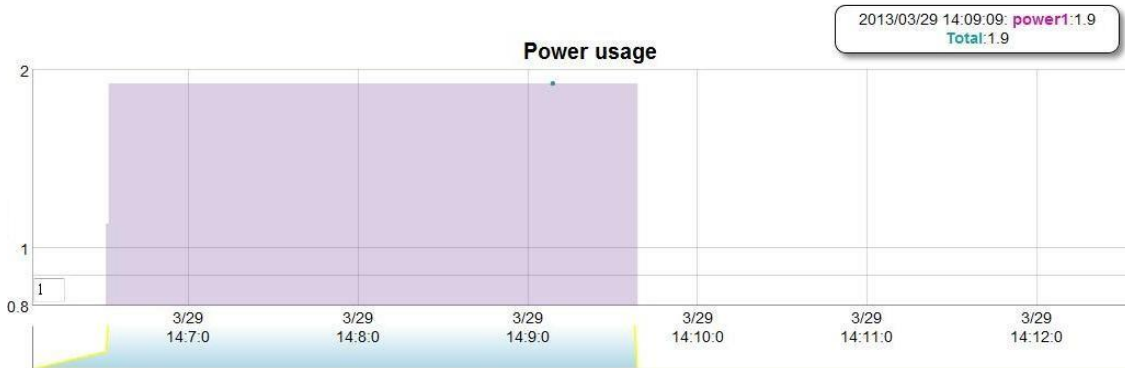
Power 1 : Pink                      Power 2 : Blue  
Power 3 : Green                    Power 4 : Yellow

In the chart :

X Axis – horizon : Show Date and Time ( HH/MM/SS)

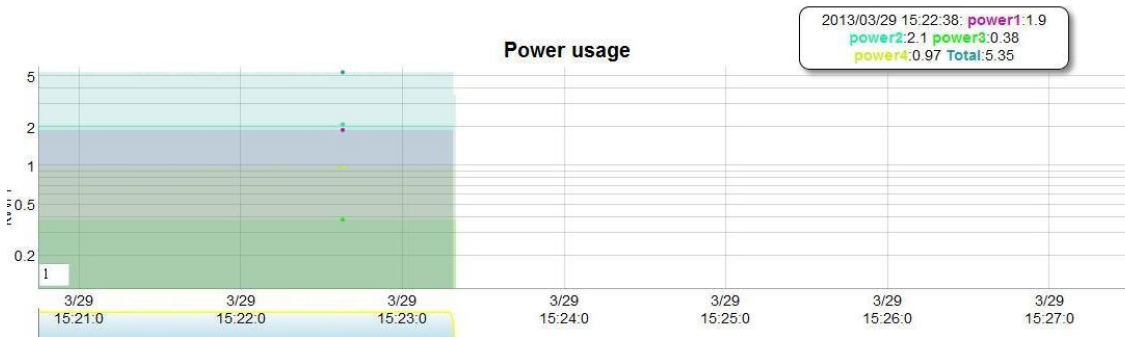
Y Axis– vertical : Show Ampere ( A ) of each power consumption

For example : On 2013/3/29 14:09:09 ( HH/MM/SS ) , Power 1 consumed 1.9 A and the total amp of 4 power is 1.9A.



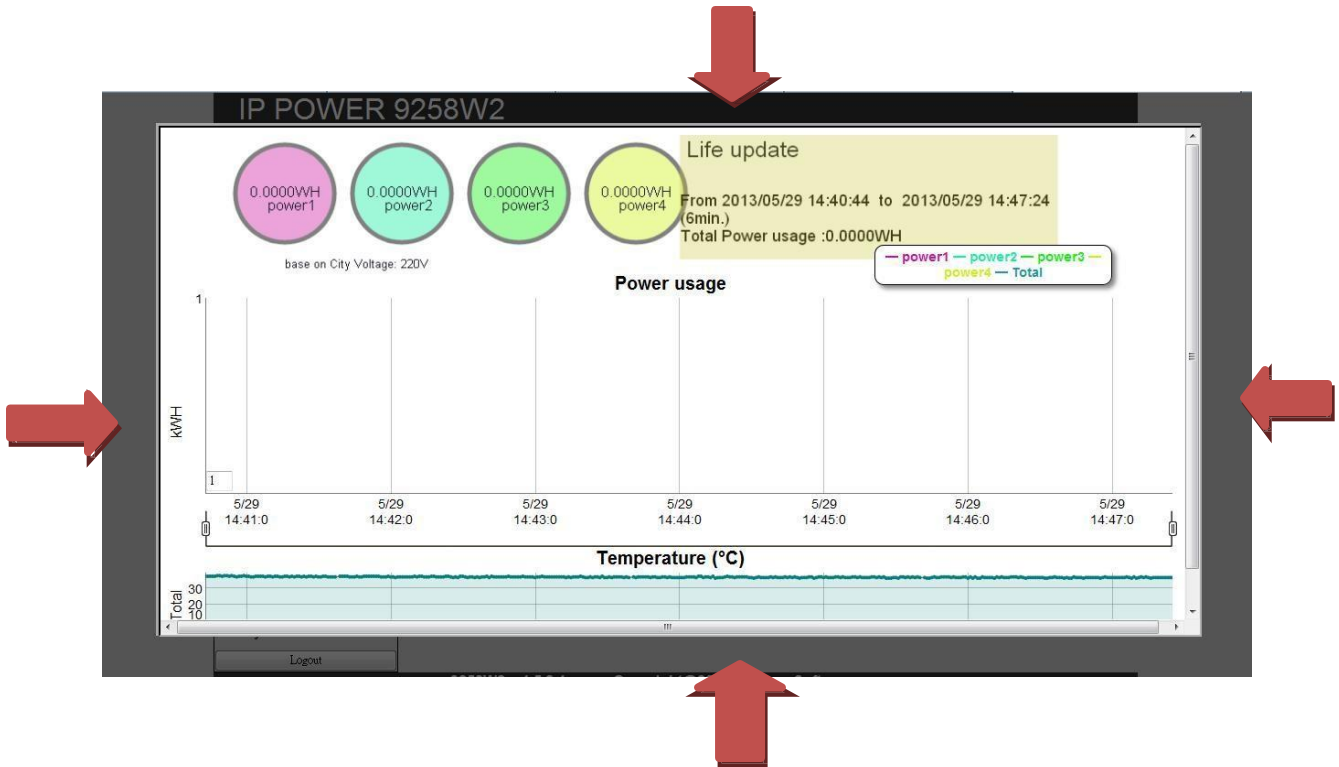
For example :

On 2013/3/29 15:22:35 ( HH/MM/SS ) , Power 1 consumed 1.9 A , Power 2 consumed 2.1A , Power 3 consumed 0.38A , Power 4 consumed 0.97A . Total 4 ports consumed 5.35A.



To close this Current History Wizard and go back to control section , please move the mouse to the gray area out of this Current History Wizard and click **then** you can go back to control section .





**Note: The current history record will be cleared off the chart while device power off .**

## Network :

### Setting

This section is showed the network status of IPM-401W .

There is 4 different portions in this section :

- ETH Connection : LAN / Cable connection
- WiFi Network Setting : WiFi connection
- Default Gate way : Can change the gateway of LAN or gate way of WiFi
- Port Setting : use can set port range as 80 ~65535

### ETH Network Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

<b>ETH Connection Type:</b>		STATIC (fixed IP) ▾
<b>Static Mode</b>		
IP Address	192.168.100.38	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.100.1	
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>		

### WiFi Network Settings

<b>WiFi Connection Type:</b>		STATIC (fixed IP) ▾
<b>Static Mode</b>		
IP Address		
Subnet Mask		
Default Gateway		
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>		

Default Gateway Setting	LAN ▾	<input type="button" value="Apply"/>	
Internet IP= 36.224.37.128:80 Be sure router port number correspond to your setting			
LAN Port Setting	80 (80~65535) <input type="button" value="Apply"/>	Internet Port Setting	80 (80~65535) <input type="button" value="Apply"/>

There are 2 portions : Ethernet & WiFi connection type.

- ETH ( Ethernet ) Connection type : The network status is connected by cable  
The connection way include : Static IP / DHCP / PPPOE

<b>ETH Connection Type:</b>		DHCP (Auto config) ▾
<b>DHCP Mode</b>		
PPPoE Mode	IPPOWER9258WIFI	STATIC (fixed IP)
		DHCP (Auto config)
		PPPoE (ADSL)

- WiFi Connection type : The network status is connected by WiFi
- The connection way include : Static IP / DHCP

DHCP (Auto config) ▾
STATIC (fixed IP)
DHCP (Auto config)

User can select different way for Ethernet Connection or for WiFi connection .

**STATIC (fixed IP) :**

Setup IP address manually. This allows the 9258WiFi to obtain an IP Address automatically from user's server connected to Internet . Recommended for users need to control through Internet.

**Please do filled the correct gateway for login from Internet .**

**DHCP Mode :**

Obtain IP address via DHCP model . This allows the 9258WiFi to obtain an IP Address automatically from user's server connected to Internet . Recommended for non advance users.

User can only revise the Host Name under DHCP mode.

**ETH Network Settings**

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

<b>ETH Connection Type:</b>		DHCP (Auto config) ▼
<b>DHCP Mode</b>		
Hostname	IPPOWER9258WIFI	
IP Address	192.168.100.36	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.100.1	
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>		

**WiFi Network Settings**

<b>WiFi Connection Type:</b>		DHCP (Auto config) ▼
<b>DHCP Mode</b>		
Hostname		
IP Address	192.168.50.5	
Subnet Mask	255.255.0.0	
Default Gateway		
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>		

**PPPOE :**

**Only support for Ethernet connection .**

Obtain IP address via Internet Service Provider (ISP) through PPPOE service ( The IP address can be reach on Internet but not fixed ) . User need to supply the Username & Password ISP supply to get connection on Internet.

ETH Network Settings

You may choose different connection type suitable for your environment. Besides, you may also configure parameters according to the selected connection type.

ETH Connection Type: PPPoE (ADSL)

### PPPoE Mode

User Name: 73393671@hinet.net

Password: ●●●●●●

Verify Password: ●●●●●●

Operation Mode: Keep Alive

Keep Alive Mode: Redial Period 60 seconds

On demand Mode: Idle Time 5 minutes

Apply Cancel

User Name : Please type in the format ISP supply for PPPOE connection  
 Password : Please type in the format ISP supply for PPPOE connection  
 Verify Password : Re-type the password  
 Operation Model : There are 3 mode for PPPOE connection

- Keep Alive : Auto connection as disconnect . Can setup the redial period in seconds .
- On Demand : Auto connection as disconnect and can setup the idle time in minutes.
- Manual : Connection ISP manually ( type Apply ) .

#### Default Gateway

The gateway is the door for Internet connection.  
 Please select LAN or WAN for the user to log in IPM-401W form Internet.

Default Gateway Setting LAN Apply

There is only one gate way available : LAN or WAN.

**Under DHCP model - either ETH Connection type or WiFi connection type ) , IPM-401W will get the gateway information automatically.**

**But if under Static model , please do filled the correct gateway.**

If choose WiFi the gateway of LAN will be empty automatically. Please refer the following illustration :

<b>ETH Connection Type:</b>		STATIC (fixed IP) ▾
<b>Static Mode</b>		
IP Address	192.168.100.36	
Subnet Mask	255.255.255.0	
Gateway		
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
		Apply Cancel

WIFI Network Settings

<b>WIFI Connection Type:</b>		DHCP (Auto config) ▾
<b>DHCP Mode</b>		
Hostname		
IP Address	192.168.0.11	
Subnet Mask	255.255.255.0	
Gateway	192.168.0.1	
Primary DNS Server	168.95.192.1	
Secondary DNS Server	168.95.1.1	
		Apply Cancel

<b>Default Gateway Setting</b>	WIFI ▾	Apply
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**LAN Internet**

IPM-401W will check your router IP of this connection , and you can separate the port for LAN connection or for Internet connection .

For example : **The router IP is 36.224.37.128:80**



Internet IP= 36.224.37.128:80 Be sure router port number correspond to your setting

LAN Port Setting	80 (80~65535)	Apply	Internet Port Setting	80 (80~65535)	Apply
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## WiFi Information

This section is displayed the WiFi information and also the Profile list :

WiFi Information Section :

MAC Address : There are 12 digits for IPM-401W as Identity number.

Local IP Address : It show the IP of WiFi connection ( Allocate Supply by WiFi Router )

Connection Status : It show the router name of IPM-401W is connected.

Station Info

The Status page shows the settings and current operation status of the Station.

### Wifi Info

Mac Address	00-92-90-00-00-43
Local IP Address	192.168.50.5
Connection Status	Connected <--> EDIMAX_BR-6424N-V2

### Profile List

	Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="checkbox"/>	PROF001	EDIMAX_BR-6424N-V2	5	WPA2-PSK	AES	Infrastructure

Note: At present, STA only guarantees to store Two profiles!

If need to add other WiFi Router into profile list , please arrange the WiFi connection setup , please go to " WiFi Site Survey " but user can change the profile list to switch the WiFi Router you would like to use.

As connection successful , there is green check mark in first column of the profile Router.

### Profile List

	Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="checkbox"/>	PROF001	ZyXEL_NBG-419N	1	WPA2-PSK	AES	Infrastructure

## WiFi Site Survey

This section is to arrange WiFi connection. IPM-401W will auto search the WiFi Router nearby and also their information as boot up , IPM-401W user can just select the router and type the password to connect with your WiFi router and make connection easily.

**Add WiFi Router into " Profile list " :**

Step 1: Select the Router you would like to use , and click "Add Profile "



## Site Survey

	SSID	BSSID	RSSI	Channel	Encryption	Authentication	Network Type
○	84851	C8-6C-87-07-6B-41	39%	1	TKIP	WPA-PSK; WPA2-PSK	Infrastructure
○	ZyXEL_NBG-419N	40-4A-03-01-A5-62	50%	1	AES	WPA2-PSK	Infrastructure
○	4444444	5A-12-43-1A-95-B8	15%	1	TKIP	WPA-PSK	Infrastructure
○	jasonw62	1C-7E-E5-E6-01-A2	0%	1	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
●	qatest	00-16-01-27-8C-B1	76%	2	WEP	Unknown	Infrastructure
○	dlink	90-94-E4-37-F8-DE	86%	4	Not Use	OPEN	Infrastructure
○	EDIMAX_BR-6424N-V2	00-1F-1F-47-89-08	50%	5	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
○	P874	50-67-F0-13-45-5E	24%	6	TKIP	WPA-PSK	Infrastructure
○	KalatechRD	00-13-46-5C-8C-8F	15%	6	TKIP	WPA-PSK	Infrastructure
○	MHWireless01	1C-7E-E5-40-6F-2E	0%	7	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
○	TP-LINK_A5996A	B0-48-7A-A5-99-6A	44%	8	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
○	MHWireless02	00-12-A9-D1-2D-90	10%	11	TKIP	WPA-PSK	Infrastructure
○	aviosys	00-90-CC-E1-BB-D5	34%	10	WEP	Unknown	Infrastructure
○	note ALEX	14-7D-C5-BE-20-BE	15%	6	AES	WPA2-PSK	Infrastructure

Connected <-> qatest    Rescan    Add Profile

Step 2 : IPM-401W will auto get the most information of your router and you just need to type the password to connect with the WiFi router then click " Apply "

System Configuration	
Profile Name	PROF003
SSID	qatest
Network Type	Infrastructure ▾
Power Saving Mode	<input checked="" type="radio"/> CAM (Constantly Awake Mode) <input type="radio"/> Power Saving Mode
Security Policy	
Security Mode	OPEN ▾
Encryption Mode	WEP ▾
Wire Equivalence Protection (WEP)	
WEP Key Length	64 bit (10 hex digits / 5 ascii keys) ▾
WEP Key Entry Method	Hexadecimal ▾
WEP Keys	WEP Key 1 : ●●●●●●●●●●
	WEP Key 2 :
	WEP Key 3 :
	WEP Key 4 :
Default Key	Key 1 ▾
<input checked="" type="button" value="Apply"/> <input type="button" value="Cancel"/>	

Then you will see the Router name " qatest " : add in to "Profile list "



Profile List						
	Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="checkbox"/>	PROF001	qatest	2	OPEN	WEP	Infrastructure

**Connect IPM-401W to this add Router : Active the WiFi Router in “ Profile list “**

Please select the router and click “Active “ to make connection with IPM-401W.

Profile List						
	Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="checkbox"/>	PROF001	qatest	2	OPEN	WEP	Infrastructure
<input type="checkbox"/>	PROF002	TP-LINK_A5996A	8	WPA2-PSK	TKIP	Infrastructure

Note: At present, STA only guarantees to store Two profiles!

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Step 4 : After Active successful , you will see the IP information in “ Connection Status “ of WiFi Info. Please check if the “ Local IP Address “ of WiFi Info is under same segment# with your PC.

Wifi Info	
Mac Address	00-92-90-00-02-08
Local IP Address	192.168.50.16
Connection Status	Connected <-> qatest

Profile List						
	Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="checkbox"/>	PROF001	qatest	2	OPEN	WEP	Infrastructure
<input type="checkbox"/>	PROF002	TP-LINK_A5996A	8	WPA2-PSK	TKIP	Infrastructure

Notice :

# Segment : The first 9 digits of the IP Address .

EX: The IP of your PC is 192.168.100.122. If the “ Local IP Address “ at WiFi Info is 192.168.100. x ( X can the value of 1~252 ) , your PC can get into the webpage of IPM-401W .

# Please press “Rescan “ to search the router near by again if can not see your router in the list.

**Delete the Router in “ Profile list “ :**

Please select the router and click “ Delete “ to remove this router from “ Profile list ”

Note : Delete the Router form Pro File list do not affect the connection of WiFi.

**WPS ( WiFi Protection Service )**

There is 2 way to setup by WPS :

Manual hardware setting connection or webpage application

The following information is for apply WPS by webpage control – without WiFi Router nearby .

**By the Button on IPM-401W and on WIFI AP ( Router)**

Please refer the manual hardware operation in page #15

**By Enrollee of IPM-401W and WPS button on WIFI AP ( Router)**

Step 1: Please select the WIFI AP ( Router ) you want to connect .

Wi-Fi Protected Setup (STA)  
You could setup security easily by choosing PIN or PBC method to do Wi-Fi Protected Setup.

No.	SSID	BSSID	RSSI	Ch	Auth	Encrypt	Status
<input checked="" type="radio"/>	dlinkadd8	28107B64ADD8	100%	1	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	ZyXEL_NBG-419N	404A0301A562	50%	1	WPA2-PSK	AES	Conf.
<input type="radio"/>	MHWireless01	1C7EE5406F2E	5%	11	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	SUDER	CC5D4E300637	29%	6	WPA2-PSK	AES	Conf.
<input type="radio"/>	jasonw62	1C7EE5E601A2	20%	1	WPA-PSK; WPA2-PSK	TKIP; AES	Unconf.
<input type="radio"/>	TP-LINK_A5996A	B0487AA5996A	34%	8	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	breeze1	84C9B25AC952	0%	9	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.

Step 2 : Select Mode “Enrollee “ and press “PBC Start “ and then press the WPS buttons on WIFI AP ( Router) soon in few seconds.

Refresh **Mode: Enrollee** PIN : 16905535 PIN Start **PBC Start** Cancel Renew PIN



Step 3: After few seconds , there are 2 beeps : short Beep + middle beep  
Which means WPS connection successfully.

There are messages updated during the configuration in “ WPS status “ section :  
As WPS connection successfully , there is “Configured “ message as following :

<h2>WPS Status</h2>
Configured

If user does not press the WPS function of selected AP ( WiFi Router )

SCAN AP → .....→ PCB: NO AP → (one Long Beep) No Used

Which means the WPS connection fail and there is one long beep mean the connection fail.  
Please try again. )

Step: 4 : You can see the WPS connection in section “ WiFi Info “ & “ WiFi Survey “ of Network  
In “ WiFi Survey “

## Station Info

The Status page shows the settings and current operation status of the Station.

## Wifi Info

Mac Address	00:92:90:00:01:54
Local IP Address	192.168.0.11
Connection Status	Connected <--> dlinkadd8

## Link Status

Status	dlinkadd8 <--> 28-10-7B-64-AD-D8	
Extra Info	Link is Up	
Channel	1 <--> 2412000 KHz	
Link Speed	Tx(Mbps) 54.0	Rx(Mbps) 1.0
Throughput	Tx(Mbps) 0.0	Rx(Mbps) 5066.3
Link Quality	Good 100%	
Signal Strength 1	Good 100%	dBm format
Signal Strength 2	Weak 0%	
Noise Level	Low 0%	

## Profile List

Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="radio"/> WPS_dlinkadd8001	dlinkadd8	Auto	WPA-PSK	TKIP	Infrastructure

### By Registrar

Step 1 : Select the router you want to connect .

## Wi-Fi Protected Setup (STA)

You could setup security easily by choosing PIN or PBC method to do Wi-Fi Protected Setup.

## WPS AP site survey

No	SSID	BSSID	RSSI	Ch	Auth	Encrypt	Status
<input checked="" type="radio"/>	dlinkadd8	28107B64ADD8	100%	1	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	ZyXEL_NBG-419N	404A0301A562	50%	1	WPA2-PSK	AES	Conf.
<input type="radio"/>	MHWireless01	1C7EE5406F2E	5%	11	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	SUDER	CC5D4E300637	29%	6	WPA2-PSK	AES	Conf.
<input type="radio"/>	jasonw62	1C7EE5E601A2	0%	1	WPA-PSK; WPA2-PSK	TKIP; AES	Unconf.
<input type="radio"/>	TP-LINK_A5996A	B0487AA5996A	34%	8	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.
<input type="radio"/>	breeze1	84C9B25AC952	0%	9	WPA-PSK; WPA2-PSK	TKIP; AES	Conf.

Step 2 : Select "Registrar " and Type the PIN number supply by your WIFI AP ( Router )

into Pin area and then press button “Pin Start “ then you will see “Configured “ in WPS status as connect successfully.

The screenshot shows a web interface for WPS configuration. At the top, there are buttons for 'Refresh', 'Mode: Registrar', 'PIN: 74438471', 'PIN Start', 'PBC Start', and 'Cancel'. Below this is a section titled 'Registrar Settings' with the following fields:

- SSID: STARegistrar000154
- Authentication: WPA2-PSK
- Encrypt Type: AES
- Key: 12345678

A 'Submit' button is located below the Registrar Settings. Below the Registrar Settings is a section titled 'WPS Status' which displays 'Configured'.

Step 3: You can see the WPS connection in section “ WiFi Info “ & “ WIFI Survey “ of Network

The screenshot shows a network information section with a table of detected networks. The first row, 'dlinkadd8', is highlighted with a red box. Below the table are buttons for 'Connected <--> dlinkadd8', 'Rescan', and 'Add Profile'.

Profile	SSID	Channel	Authentication	Encryption	Network Type	
<input checked="" type="radio"/> dlinkadd8	28-10-7B-64-81-AD-D8	81%	1	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
<input type="radio"/> jasonwoz	1C-7E-E5-E6-01-A2	0%	1	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
<input type="radio"/> SUDER	CC-5D-4E-30-06-37	0%	6	AES	WPA2-PSK	Infrastructure
<input type="radio"/> breezel	84-C9-B2-5A-C9-52	0%	9	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure
<input type="radio"/> TP-LINK_PocketAP_398302	38-83-45-39-83-02	0%	1	Not Use	OPEN	Infrastructure
<input type="radio"/> EDIMAX_BR-6424N-V2	00-1F-1F-47-89-08	20%	5	TKIP; AES	WPA-PSK; WPA2-PSK	Infrastructure

Below the network information is a section titled 'Profile List' with the following table:

Profile	SSID	Channel	Authentication	Encryption	Network Type
<input checked="" type="radio"/> WPS_dlinkadd8001	dlinkadd8	Auto	WPA-PSK	TKIP	Infrastructure

## Application Settings







## Email

In this section, user can setup the e-mail to **get advice as each power outlet status changed**.

**Notice : To send out the email successfully , please double check the setting of your DNS . (Network → DNS setting)**

Example: " On → Off " or " Off → On " . Please do enable the Email alarm in " Power Control " of " IO Control " section as following picture :

power1	power2	power3	power4
			
<b>Advace setup</b>			
<b>Group Setting</b>			
<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF	<input type="radio"/> ON <input checked="" type="radio"/> OFF
<input type="button" value="Apply"/>			
<b>Alarm Setting</b>			
<input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Beep	<input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Beep
<input type="button" value="Apply"/>			

The IPM-401W allows you to send from @gmail or @hotmail or @yahoo.com account .

# Mail Setup

From	abc@test.com
To	def@test.com
SMTP Server	Other ▾ smtp.sample.com
This server requires an encrypted connection (SSL)	<input type="checkbox"/>
Port	25
User	abc
Password	●●●●●●●●●●
Attach a Picture	<input type="checkbox"/>
<input type="button" value="Email Test"/> <input type="button" value="Apply"/>	

**From :** Mail sender address to send the E-Mail out . Ex: IPM-401W@gmail.com **To :** Mail receiver address to get the E-Mail in Ex: 9223@hotmail.com **SMTP Server:** This is the mail server of the sender at “ From “ .

If user select @gmail or @hotmail account as SMTP Server , IPM-401W will fill the SSL & Port automatically

**SSL inquire :** If the mail server needs to be authenticated make sure the yes is checked in

**Port :** This is the port of SMTP Server. Most common port to send out e-mail is port 25

**User :** Login for the e-mail address . Ex: IPM-401W@gmail.com

**Password:** Password for the e-mail address. EX : 12345678

Note : To send out the e-mail successfully ,the correct DNS information for setting up is necessary . Please check your Router or check with your ISP company.

Example :

Send by Gmail account

<h1>Mail Setup</h1>	
From	cathyabc@gmail.com
To	cathy@hotmail.com
SMTP Server	Gmail ▾ smtp.gmail.com
This server requires an encrypted connection (SSL)	<input checked="" type="checkbox"/>
Port	587
User	cathyabc@gmail.com
Password	●●●●●●●●●●
Attach a Picture	<input type="checkbox"/>
<input type="button" value="Email Test"/> <input type="button" value="Apply"/>	



## DDNS

The DDNS section allows you to setup the IPM-401W with a DDNS server (i.e. [www.dyndns.com](http://www.dyndns.com)). After the server has been setup correctly, enter the necessary information into the IPM-401W DDNS settings.

IPM-401W support 4 DNS server. User need to create its own account in these DNS server

**Note : “ Dyndns.org “ is the only one provides free service .  
The other’s 3 server may change user for the DDNS service as apply account.**

DDNS Setup	
Dynamic DNS Provider	None
Account	None
Password	Dyndns.org
DDNS	freedns.afraid.org
	www.zoneedit.com
	www.no-ip.com
	Apply

Account : the username /account name of DDNS account  
PassWord : the password of DDNS account  
DDNS : The DDNS name you apply . Ex: abc.dyndns.org

For Example :

DDNS Setup	
Dynamic DNS Provider	Dyndns.org
Account	user
Password	●●●●●●●●
DDNS	test.dyndns.org
	Apply

DDNS Setup	
Dynamic DNS Provider	www.no-ip.com
Account	godjack@gmail.com
Password	●●●●●●●●
DDNS	ppptest.no-ip.org
	Apply

## SNMP

This section is for development of system integrator who familiar with SNMP knowledge.

### SNMP Setting

## SNMP Setup

Snm Community Type	Read/Write ▾
Community Name	private
Snm Trap Type	N/A ▾
Host(192.168.1.1:162)	192.168.1.1:162
Trap Community	private
Download SNMP MIB File	<a href="#">IPPOWER-MIB.txt</a>

Apply

## IP SERVER

In this section , use can setup IP Server function ( & CNT – Cross Network Technology )  
And get QR code of IPM-401W

### **IP Server & CNT :**

The IP SERVER allow IPM-401W to be easily accessed on the internet by our IP Power Center or IP EDIT. With this feature anyone can find there device with no problems.

IP Server: Allows you can find your IPM-401W on the internet without having to remember long IP Addresses. Instead you can just remember the name of your device.

## IP Server & CNT Setup

Enable IP Server	<input checked="" type="checkbox"/>
IP Server :	Server2 ▾
CNT Server:	Server2 ▾
Device Name	<input type="text" value="IP POWER 9258W2"/> <p>The device name is not unique!! For easier to find your unique device on <a href="http://www.myipedit.com">http://www.myipedit.com</a> please change your Device name</p>
Country	<input type="text" value="Country"/>
City	<input type="text" value="City"/>

Apply

### IP9258W2 QR-code

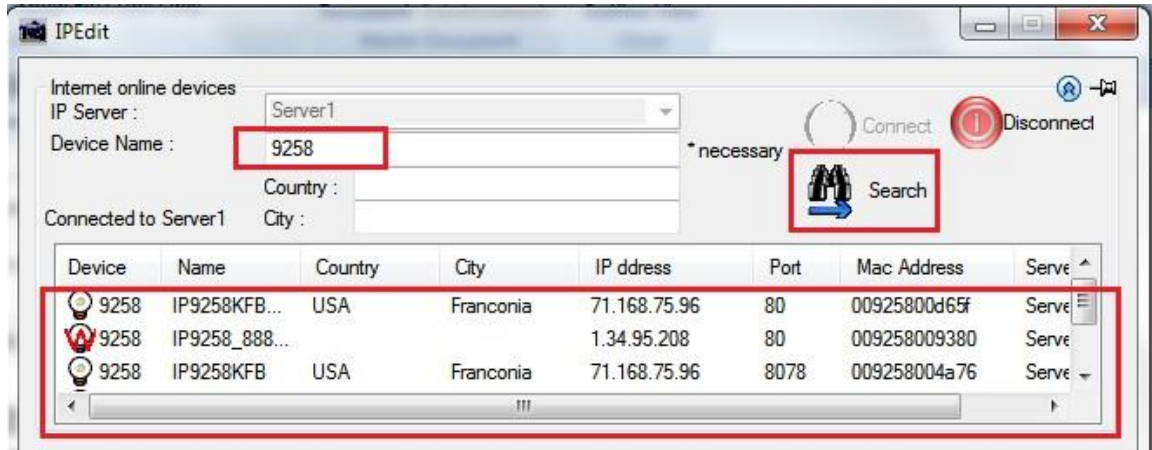
Qr-code select:	<input type="text" value="36.224.37.128:80"/> Internet ▾ IP only ▾ <input type="text" value="http://36.224.37.128:80"/> <input type="button" value="Apply"/>
-----------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

- Enable IP Server : Enable or disable this function chunk .
- IP Server & CNT Server : For easily setting , Please select same server number for the 2 part.

User can search the IPM-401W by Device name , Country or City.

This allows the device to easily be accessed on the internet, you no longer have to port forward your device to be able to use it. Only some devices are CNT compatible.

Please refer page #20 for the function of IP Server



## QR code of IPM-401W :

User can create own QR code of the IP information of IPM-401W ( LAN / WIFI / Internet), and scan / record in your QR code APP for quick search or log in IPM-401W .

**Please make sure to do port forwarding ( local port and forwarding port must be same port ) if need to get the QR code which can directly go to the webpage of IPM-401W on Internet**

- QR Code in IPM-401W webpage

This QR code help user to get in the webpage IP address IPM-401W by smart phone quickly. There is history in QR code app for user to check IPM-401W IP soon .



- To view the IPM-401W webpage on Internet , please do “ port forwarding “ first in router.
- To view the IPM-401W webpage on LAN , please make sure your smart phone is under same segment ( refer Page#17 , **you will need to make sure that the first 3 segments of your IPM-401W IP Address must match the first 3 segments of your gateway IP. )**

Please select the QR code of IP Information from Internet, LAN, WAN & IP Server.  
And then press “Apply to create new QR code.

# Internet: It will create QR code with the Internet IP of the environment of IPM-401W . ( need port forwarding ) .

# WAN / LAN: It will create QR code with the WAN/LAN IP of IPM-401W .

# IP Server : Please enable “IP Server function first and then it will create QR code with the MAC for user to use IP Server ( of IPEDIT ) in your smart phone .

- QR Code in IP Server :

Before get the QR code in IP Server , please make sure the IP Service is enable in IPM-401W webpage.

IP Server : With our OWN CNT function , user can easily get the Internet IP by IPEDIT

IP Server & CNT Setting

## IP Server & CNT Setup

Enable IP Server	<input checked="" type="checkbox"/>
IP Server :	Server2 ▼
CNT Server:	Server2 ▼
Device Name	IPPOWER9258W2




**Please go to our online IPEDIT : [www.myipedit.com](http://www.myipedit.com)**


Them please select “ Server 2 “ and type the device name ( if change ) or IPM-401W.



## Aviosys Inc. IP Family Browser

 [Search By Server-1 \(1.34.90.57\)](#)

 [Search By Server-2 \(1.34.90.227\)](#)


ENGLISH 繁體中文 简体中文 



Device	Name	Country	City	Mac_Address	IP_Address:Port	QR Code
Input Device Name <input type="text" value="9258w2"/> <input type="button" value="submit"/> <input type="button" value="reset"/> <input type="button" value="exit"/>						

## Aviosys Inc. IP Family Browser

 [Search By Server-1 \(1.34.90.57\)](#)

 [Search By Server-2 \(1.34.90.227\)](#)

ENGLISH 繁體中文 简体中文 

Server						
Total: 3Pages23Devices(Server_2:23/Server_1:0)						Present: 1Pages
Device	Name	Country	City	Mac_Address	IP_Address:Port	QR Code
IP9258W2	IP POWER 9258W2	Country	City	009290008867	<a href="#">116.252.69.180:80</a>	
IP9258W2	JASON 9258W2	Country	City	009290000056	<a href="#">36.224.85.64:80</a>	

### USB WebCam

This section allow user to connect USB Webcam ( with UPNP function , M-JPG / YUV format ) and view the webcam in IPM-401W webpage directly. To work with IPM-401W, the USB Webcam need to support UPNP and video as M-JPEG or YUV format to view the area near IPM-401W.

Note : The JAVA version should be 1.60 or above for USB Webcam view under web browser Internet Explorer -IE and the gateway setting must be correct - WAN or LAN as port forwarding and view on Internet

Default Gateway Setting	<input type="text" value="LAN"/>	<input type="button" value="Apply"/>
-------------------------	----------------------------------	--------------------------------------



### Web Camera Settings

## Web Camera Setup

Capability	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
webcam mode	<input type="radio"/> MJPG <input checked="" type="radio"/> YUV
Resolution	640x480
Frames Per Second	25
Port	8080
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

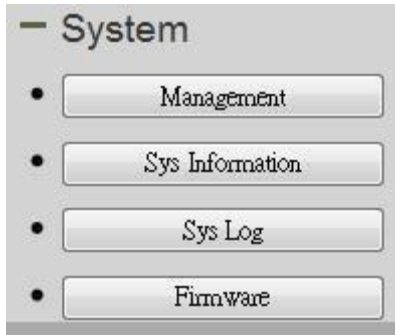
## Web Camera Setup

Capability	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
webcam mode	<input checked="" type="radio"/> MJPG <input type="radio"/> YUV
Resolution	800x600
Frames Per Second	25
Port	8080
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	





## System Setting



## Management

In this section there are several setting :  
Administrator setting, NTP setting ,Export Setting , Import Setting , Load Factory Default ,  
Restart System

### **Administrator setting**

The User Management section allows you to create users that will be able to access your device.  
There are two main types of users:

## Adminstrator Settings

Account	user
Password	●●●●
Authority:	<input type="radio"/> Admin <input checked="" type="radio"/> Operator <input type="radio"/> Viewer
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

There are three Authorities in IPM-401W. The account name and password can be changed by user but each Authorities only support one Account name & one password.

**Administrator:** The *Administrator* has the authority to create other users, remove users, and control the device. IPM-401W will asked to log in again as change the default setting here.

**Operator :** The operator can only control the setting of “ IO Control “ section but can not see other page of IPM-401W .

**Viewer :** The viewer can only see the “ IO Control “ section but can not see other page of IPM-401W.



Default Setting of the authorities :

Authority	Account name	Password
Admin	Admin	12345678
Operator	user	user
Viewer	guest	guest
Note	Please amend the password as number or English character from 1 to 8 characters. <b>Do not use special sign like “ ” ; : ~ ! @ # \$ % ^ &amp; * ( )</b>	

Please click “Apply“ button “ after change the account name / password

### ***NTP setting***

In this section , user can setup the date , time and NTP server to get the time synchronization .

## **NTP Settings**

Date	01 / 17 / 2013 (MM/DD/YY)
Time	18 : 02 : 53 (HH:MM:SS) <input type="button" value="Apply"/>
Current Time	Thu Jan 17 18:02:53 UTC 2013 <input type="button" value="Sync with host"/>
Time Zone:	(GMT+08:00) China Coast, Hong Kong ▾
NTP Server	tw.pool.ntp.org ex: time.nist.gov ntp0.broad.mit.edu time.stdtime.gov.tw
NTP synchronization(hours)	1 <input type="button" value="Apply"/>

NTP synchronization : User can setup the time gap ( 1~300 hours ) for IPM-401W to check the time with the NET server .

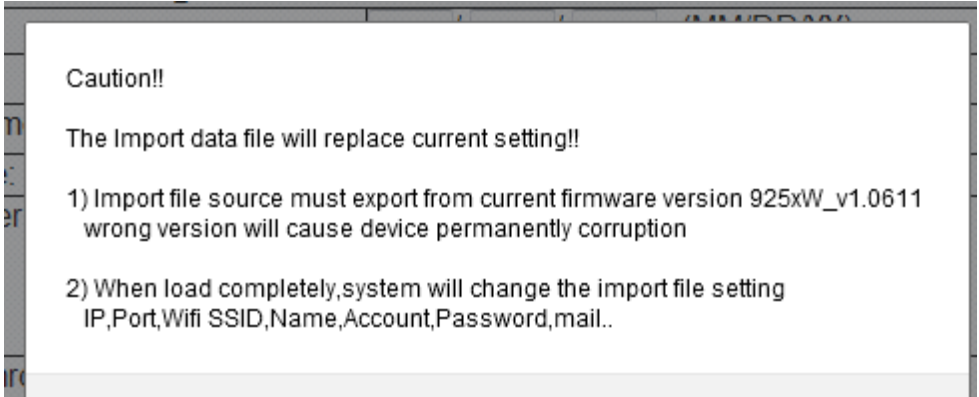
### ***Export Setting***

User can export the setting of IPM-401W into a “ DAT “ format . It will save most the setting in IPM-401W .

### ***Import Setting***

User can import the file which was exported from IPM-401W as “ DAT “ format . It will help user to setup many IPM-401W device in a short time.

As press “ Import “, there is caution message show as following :



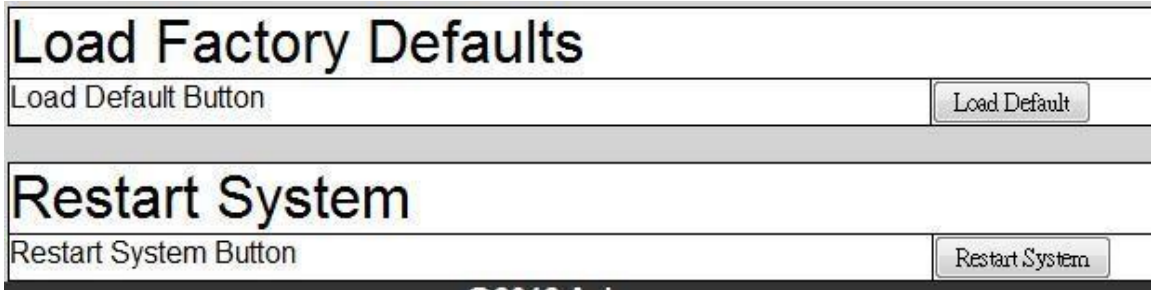
Before click ok to import please do read following notice :

- Do NOT import DAT file which is not export form IPM-401W . It is out of warranty support if any damage by import .
- Please do import the file in LAN / Ethernet . To avoid import fail , please do not import file by Internet

### ***Load Factory Default & Restart System***

In this 2 section , user can click one button to set back the setting to default or restart the IPM-401W without device nearby your side.

**Note :** The factory default setting of IPM-401W IP is assigned by DHCP. It will change the IP if load factory defaults .



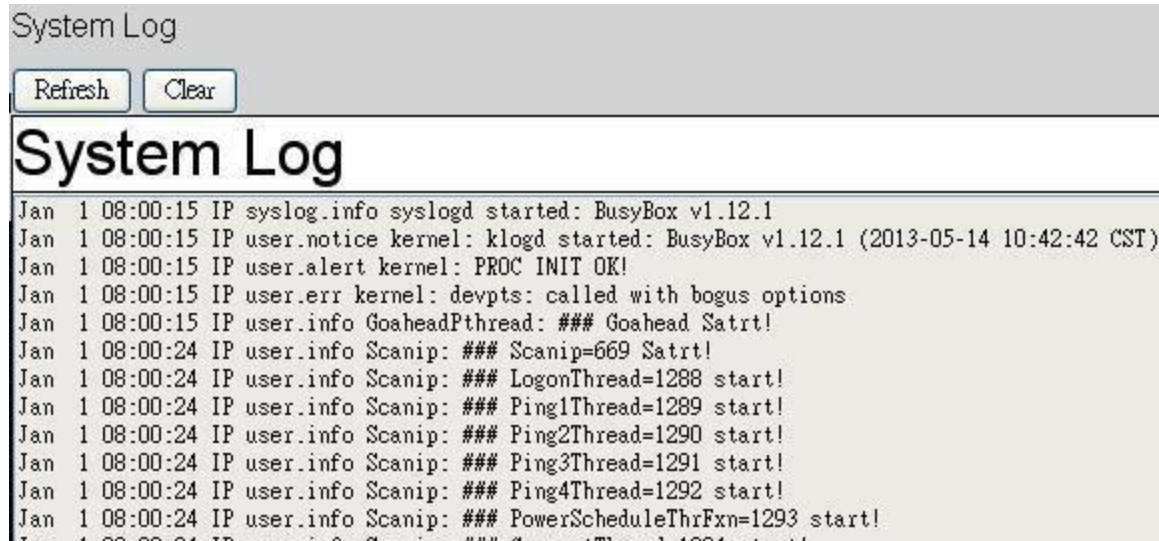
## System Information

In this section , user can get the system information :

Sys Information	
<b>System Info</b>	
Host Name	Enjoy 9258
Firmware Version	925xW_v1.0611
Pic_IO Version	01.00
Pic_RTC Version	01.00
System Up Time	18 hours, 34 mins, 49 secs
<b>Internet Address</b>	
IP:0.0.0.0	PORT:80
<b>ETH Network Status</b>	
IP Address	192.168.100.36:80
Netmask	255.255.255.0
Gateway	
MAC Address	00:92:90:00:01:55
<b>WIFI Network Status</b>	
WIFI SSID	
dlinkadd8 <--> 28-10-7B-64-AD-D8	
IP Address	192.168.0.11:80
Netmask	255.255.255.0
Gateway	192.168.0.1
MAC Address	00:92:90:00:01:54
<b>Other Status</b>	
Primary Domain Name Server	168.95.192.1
Secondary Domain Name Server	168.95.1.1
NTP server	tw.pool.ntp.org
SNMP trap host	192.168.1.1:162
<b>WAN/LAN</b>	
WAN Rx packets:	615743
WAN Tx packets:	63771
LAN Rx packets:	41362
LAN Tx packets:	45425
<b>Mail server information</b>	
Email from	
Email to	
Email Port	587
Email user	

## System Log

In this section , user can get the system log of IPM-401W. The system information will be deleted after IPM-401W device power reboot.



The screenshot shows a web interface for viewing system logs. At the top, there is a header 'System Log' and two buttons: 'Refresh' and 'Clear'. Below the header, the title 'System Log' is displayed in a large font. The main content area contains a list of log entries, each starting with a date and time (e.g., 'Jan 1 08:00:15 IP'). The entries include system messages such as 'syslogd started: BusyBox v1.12.1', 'kernel: klogd started: BusyBox v1.12.1 (2013-05-14 10:42:42 CST)', and various thread start-up notifications like 'GoaheadPthread: ### Goahead Satrt!', 'Scanip: ### Scanip=669 Satrt!', 'LogonThread=1288 start!', 'Ping1Thread=1289 start!', 'Ping2Thread=1290 start!', 'Ping3Thread=1291 start!', 'Ping4Thread=1292 start!', and 'PowerScheduleThrFxn=1293 start!'.

## Firmware

To update the IPM-401W , please follow the instruction below to prevent anything happens like **update incomplete** or **hardware disable** which may be caused by wrongdoing of updating :

- 1) Turn off all chat programs including ( Skype, FB, QQ, AIM, Yahoo messenger ....etc.) to prevent conflicts
- 2) Check to make sure that all devices are safety turned on and powered
- 3) While updating do not turn off the power
- 4) Make sure that the cable is connected firmly
- 5) Do not interrupt the update process, the update must be completely finished before using the device
- 6) Turn off, any Spyware or antivirus software which may conflict with the update.
- 7) Update firmware in the Local Area Network (LAN)
- 8) Support update under Web Browser like IE, Google Chrome, Firefox under WIN 7 - 32bit & WIN XP . Do not support Browser under WIN 7 - 64Bit
- 9) Please change the PORT as 80
- 10) Re-start the device

Please also update the notice in webpage before update :

## Upgrade Firmware

Upgrade the IP Power 9258 Wifi firmware to obtain new functionality. It takes about 2 minutes to upload upgrade flash and be patient please. Caution! A corrupted image will hang up the system.

### Update Firmware

Location:

Apply

Apply

## Controlling the Device

### *By IR Remote Controller*

To control IPM-401W by IR remote power controller we supplied, please use 5 buttons in this remote controller : Power button , button #1~# 4



- Enable remote controller : Press Power button one time and IPM-401W will response a short beep which mean the remote control function enable .
- Disable remote controller : After enable the function , then pres Power button one time again , then IPM-401W will response 2 short beep which mean the remote control function disable.
- Outlet ON/OFF control : Press the Button #1 ~#4 to turn output 1~ 4 ON / OFF .

## **CGI HTTP Commands**

CGI Commands allow you to easily integrate the IPM-401W with other systems and programs. Please read the instructions carefully on how to use the Http:// Commands

To use http:// Commands open up a web browser and type in the command that you would like to use.

1. User authorization .There are 3 formats :

For example : IP address 192.168.1.18 , Username : admin. Password : 12345678

1.1 <http://admin:12345678@192.168.1.18/set.cmd?cmd=getpower>

1.2 <http://192.168.1.18/set.cmd?user=admin+pass=12345678+cmd=getpower>

The above 2 way also for HTTPS

2. Command

set.cmd?cmd=

All command do not separate capital / lower case , the connect symble between commands can be “+” , “&” and “?” .

2.1 To get firmware version : getversion

<http://192.168.1.18/set.cmd?cmd=getversion>

System return :

CGI Command : Data follows

Version=9258W\_N\_v1.0.0.1

2.2 To get MACaddress: getmac

<http://192.168.1.18/set.cmd?cmd=getmac>

System return:

CGI Command : Data follows

mac=00929000008F

2.3 To get the status of power on/ off: getpower

<http://192.168.1.18/set.cmd?cmd=getpower>

System return:

CGI Command : Data follows

p61=0, p62=0, p63=0, p64=0

P61 to P64 means : POWER1 to POWER4

2.4 To get Current : getcurrent

<http://192.168.1.18/set.cmd?cmd=getcurrent>

System return:

CGI Command : Data follows

c61=0.000000, c62=0.000000, c63=0.000000, c64=0.000000, temp=22.700001

C61 to C64 means 4 currents , temp is temperature ( as Celsius )

2.5 To get temperature ( Celsius ) : gettemp

<http://192.168.1.150/set.cmd?cmd=gettemp>

System return:

CGI Command : Data follows

temperature=22.700001

2.6 To set the power on / off : setpower&p6x=0 or 1

p6x=0 means off, p6x=1 means ON, x can be 1 to 4 ( power1 to power 4)

Example : Turn on POWER1 and POWER2 and turn off POWER3:

<http://192.168.1.18/set.cmd?cmd=setpower&p61=1&p62=1&p63=0>

System return:

CGI Command : Data follows

p61=1,p62=1,p63=0

2.7 Setup power to reboot as RESET: setpowercycle& p6x=delayTime

X can be 1 to 4 ( power 1 to power 4 ) , ; dealyTime mean the time ( second) waiting for reset

For example :

<http://192.168.1.18/set.cmd?cmd=setpowercycle&p61=5&p62=2&p63=4>

System return:

CGI Command : Data follows

p61 cycle ok,p62 cycle ok,p63 cycle ok



## Telnet Control

```
c:\ Telnet 192.168.1.18

IP login: admin
Password:
```

```
c:\ Telnet 192.168.1.18

#
# ioctrl -h
**-----**
Usage: ioctrl
[-h | --help l.....: display this help
[-s | --setpower p6=0011 or p6x=1(x=1,2,3,4)l.....: turn on/off ports on the device
[-p | --getpower l..: get the on/off status of the device
[-c | --current l.....: get the current value of the device
[-t | --temp l.....: get the temperature value of the device
[-v | --version l.....: display version information
-----
# ioctrl -s p6=1111
p61 ok,p62 ok,p63 ok,p64 ok.
# ioctrl -c
Current value: 0.000000, 0.000000, 0.000000, 0.000000
# ioctrl -t
Temperature value: 32.299999
# ioctrl -v
IO CONTROL Version: 1.0
Compilation Date....: May 14 2013
Compilation Time....: 10:44:47
# ioctrl -p
Power Status: 1, 1, 1, 1
#
```

## FAQ :

**Q1: Why can I see 2 IP address on IPEDIT.exe but can only reach one ?  
Why did IPEDIT.exe show the LAN IP address as no network cable connect ?  
Why did IPEDIT.exe show the WIFI IP address as no WIFI router available ?**

A1: IPM-401W will remember the LAN / WAN setting one connect .Please select the IP you can log into IPM-401W to operate.

There is no problem if connect both LAN and WAN

**But the Gateway setting will affect as working on Internet and also sending / receiving email . User should select the correct Gateway as need to get into IPM-401W on Internet**

**Q2 : Why can't I see my IPM-401W after arrange the port forwarding in my router?**

A2 : Please make sure the Gateway is correct Gateway ( LAN or WAN )

**Q3 : Why can't I receive email ?**

A3: Please check the setting first and then make sure the DNS is correct ( Check your router / asked your ISP company ) .There is test button for checking the the setting success or fail to send mail.

**Q4 : Why can't I see the current chart ?**

A4 : Please check the web browser version . Need IE 9.0 or above version

**To see this section display normally, please do use IE9.0 or above, Firefox, Google Chrome or Safari and set resolution at 1280\*768 .**

**Q5: Why can't I get the IP in IPEDIT by LAN after delete WIFI profile or lost WIFI AP connection ?**

A5: If the WiFi connection for IPM-401W lost or the WiFi AP router damage, IPM-401W can not get the WiFi IP then it will change it's IP to fixed IP address as **192.168.1.168** . User can not see the IP by IPEDIT as the Gateway is still at EFi .

At this time , there are 2 ways re-log in IPM-401W . :

BY WiFi connection : Please reboot 9258W and Re-connect IPM-401W with new WiFi router by " WPS " button ( can do this way without 9258 W2 power reboot )

BY LAN connection :

Please refer following step :

Step1: **Please connect IPM-401W to your PC directly** and change the IP address of your PC as 192.168.1.xxx ( set the IP of your PC to be the same segment of IPM-401W . ) xxx can be 1~255 but not 168 .

Step 2 : After log in to the IPM-401W in LAN, please go to Network → Setting → Default gateway setting to change the Gateway from “WiFi” to “LAN” and click “Apply” .

+ IO Control		IP Address	192.168.100.49
- Network		Subnet Mask	255.255.255.0
• Setting		Gateway	192.168.100.1
• Wifi Info		Primary DNS Server	168.95.192.1
• Wifi Survey		Secondary DNS Server	168.95.1.1
• WPS		Apply Cancel	
+ Application		WIFI Network Settings	
+ System		WIFI Connection Type: DHCP (Auto config) ▾	
• Logout		DHCP Mode	
		Hostname	
		IP Address	
		Subnet Mask	
		Gateway	
		Primary DNS Server	168.95.192.1
		Secondary DNS Server	168.95.1.1
		Apply Cancel	
		Default Gateway Setting	LAN ▾ Apply

Step 3 : Connect your PC and IPM-401W to a router by LAN. Then **reboot IPM-401W (MUST DO)** . After 45 seconds with a long beep, you can found the LAN IP of IPM-401W by IPEIDT.exe

**Q6: How can I reset to default:**

A6 : Please use tiny pin head and keep pressing the button “RESET” for 5 seconds at least and release , there is a long beep sound after around 45 seconds . Then please power reboot the IPM-401W . after around 45 seconds there is a middle beep sound then you can use IPEDIT to hekc which means system reboot successfully and set back to default.

**Q7 : Why can't I see the video of USB Webcam in IPM-401W webpage ?**

A7 :

Please check the following premises :

Please make sure the setting of “Capability” is “Enable”

- The USB WebCam support UPNP connection and support M-JPG or YUV format .
- The web browser is IE 9.0 at least or above .
- The JAVA version is 1.60 or above
- The gateway setting is correct - WAN or LAN to view on Internet