

# ECP Manager

## - User Manual -

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Ethernet over Coax / UTP Managed Receiving Switch  
ECP-2808RM / ECP-2816RM / EUP-2808RM / EUP-2816RM

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Rev.1.0

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# 1. Overview

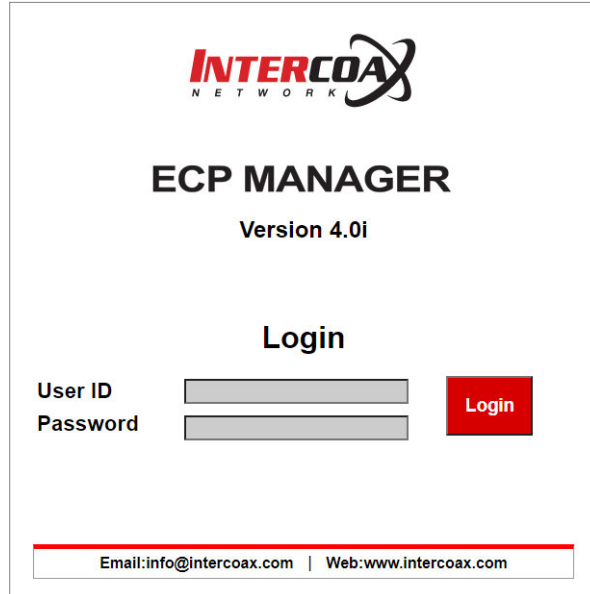
All models from the ECP/EUP-28XX series support a Web based GUI, where users can access and manage all their ECP-28XX/EUP-28XX series receiving switches and their connected IEEE1901-HPAV standard transmitters.

Additional features are available with the ECP WebUI as follows:

- Remote monitoring for ECP device & connected End or remote devices (usually Tx models)
- Remote transceiver Joining (Network Group) function
- IP addressing for managed EoC Switch
- System reboot
- Power reset for each port
- Real time Monitoring of power consumption per port
- Real time Monitoring of total power consumption
- IGMP snooping with IGMP Query Generation
- SNMP Setting
- Firmware upgrade for managed EoC Switches
- VLAN Setting
- Configuration backup & Restore

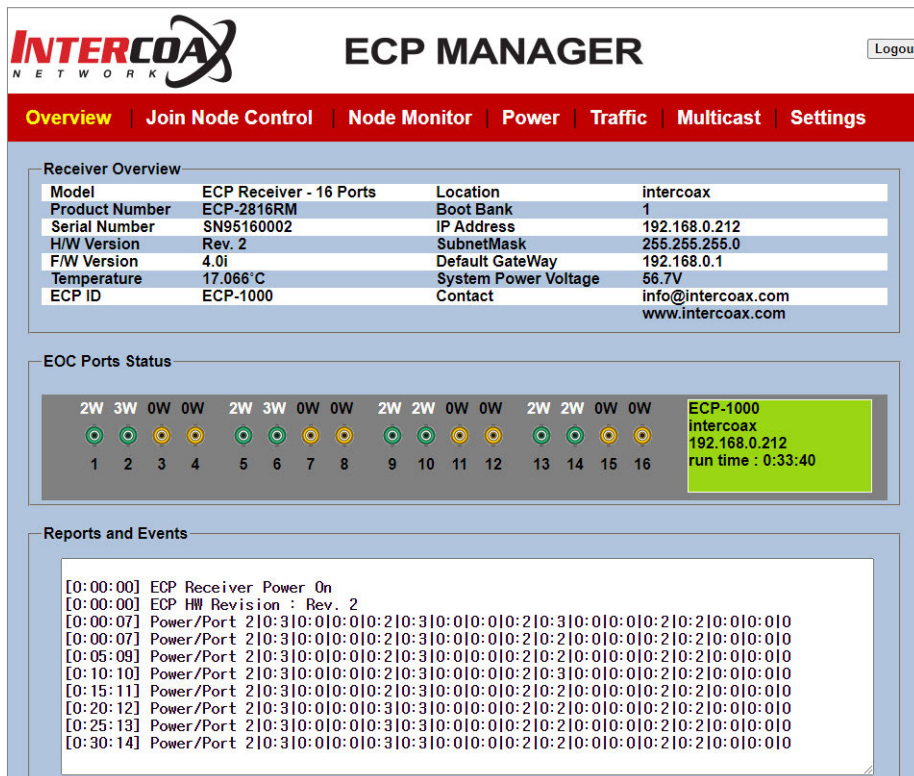
## 2. Getting started

1. In your network settings, set your PC's IP address to 192.168.4.xxx and subnet mask to 255.255.255.0.
2. Open the web browser and enter **http://192.168.4.17**, factory default IP address of the ECP Managed Switch.
3. Login window will open on the web browser.



The login page for the ECP Manager. It features the Intercoax Network logo at the top, followed by the text "ECP MANAGER" and "Version 4.0i". Below this is a "Login" section with two input fields: "User ID" and "Password". A red "Login" button is positioned to the right of the password field. At the bottom, there is a footer with contact information: "Email: info@intercoax.com" and "Web: www.intercoax.com".

4. Enter the User ID, "**admin**".
5. Enter the default Password, "**admin**". You will be redirected to the following web page.



The ECP Manager dashboard after successful login. It includes a navigation bar with links: Overview (highlighted), Join Node Control, Node Monitor, Power, Traffic, Multicast, and Settings. The main content area is divided into three sections:

- Receiver Overview:** A table showing device details.

Model	ECP Receiver - 16 Ports	Location	intercoax
Product Number	ECP-2816RM	Boot Bank	1
Serial Number	SN95160002	IP Address	192.168.0.212
H/W Version	Rev. 2	SubnetMask	255.255.255.0
F/W Version	4.0i	Default GateWay	192.168.0.1
Temperature	17.066°C	System Power Voltage	56.7V
ECP ID	ECP-1000	Contact	info@intercoax.com www.intercoax.com
- EOC Ports Status:** A visual representation of 16 ports, each with a status indicator (green for up, yellow for down). A summary box on the right shows: "ECP-1000", "intercoax", "192.168.0.212", and "run time : 0:33:40".
- Reports and Events:** A log of system events.

```
[0:00:00] ECP Receiver Power On
[0:00:00] ECP HW Revision : Rev. 2
[0:00:07] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:210:010:010
[0:00:07] Power/Port 210:310:010:010:210:310:010:010:210:210:010:010:210:210:010:010
[0:05:09] Power/Port 210:310:010:010:210:310:010:010:210:210:010:010:210:210:010:010
[0:10:10] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:210:010:010
[0:15:11] Power/Port 210:310:010:010:210:310:010:010:210:210:010:010:210:210:010:010
[0:20:12] Power/Port 210:310:010:010:310:310:010:010:210:210:010:010:210:210:010:010
[0:25:13] Power/Port 210:310:010:010:310:310:010:010:210:210:010:010:210:210:010:010
[0:30:14] Power/Port 210:310:010:010:310:310:010:010:210:210:010:010:210:210:010:010
```

## 3. WebUI Toolbar

### 3.1. Overview

**INTERCOAX** ECP MANAGER Logout

**Overview** | Join Node Control | Node Monitor | Power | Traffic | Multicast | Settings

**Receiver Overview**

Model	ECP Receiver - 16 Ports	Location	intercoax
Product Number	ECP-2816RM	Boot Bank	1
Serial Number	SN95160002	IP Address	192.168.0.212
H/W Version	Rev. 2	SubnetMask	255.255.255.0
F/W Version	4.0i	Default GateWay	192.168.0.1
Temperature	17.066°C	System Power Voltage	56.7V
ECP ID	ECP-1000	Contact	info@intercoax.com www.intercoax.com

**EOC Ports Status**

2W	3W	0W	0W	2W	3W	0W	0W	2W	2W	0W	0W	2W	2W	0W	0W
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

ECP-1000  
Intercoax  
192.168.0.212  
run time : 0:33:40

**Reports and Events**

```
[0:00:00] ECP Receiver Power On
[0:00:00] ECP HW Revision : Rev. 2
[0:00:07] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:00:07] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:05:09] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:10:10] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:15:11] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:20:12] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:25:13] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
[0:30:14] Power/Port 210:310:010:010:210:310:010:010:210:310:010:010:210:010:010:010:210:010:010:010
```

The WebUI “**Overview**” tab shows information about the device;

- In “**Receiver Overview**”, you will find the following information:
  - **Model** : Product type
  - **Product Number** : Product Name & Model number
  - **Serial Number** : Product Serial Number
  - **H/W Version** : Hardware Revision number
  - **F/W Version** : Firmware version running on the ECP device.
  - **Temperature** :The device’s current temperature
  - **ECP ID** : The device’s assigned ID (Can be changed in the “**Settings**” tab)
  - **Location** : Location of the device deployed (Can be changed in the “**Settings**” tab)
  - **Boot Bank** : Index of the memory bank used to boot the device.
  - **IP Address** : Device’s IP address (Can be changed in the “**Settings**” tab)
  - **Subnet Mask** : Device’s subnet mask (Can be changed in the “**Settings**” tab)
  - **Default Gateway** : Device’s gateway (Can be changed in the “**Settings**” tab)
  - **System Power Voltage** : System power status
  - **Contact** : Contact information
- “**EOC Ports status**” shows the port number, the connection status and power consumption of each port.
  - When ECP/EUP Transmitters are connected to the ports, the port color changes from Yellow to Green.
  - When there is an over current due to cable damage or short-circuit, the port immediately shuts the power off and the port color changes to Red.
- “**Reports and Events**” shows how long the ECP/EUP Transmitters have been connected and the power consumption of the connected devices per port.

## 3.2. Join & Node Control

**INTERCOAX NETWORK ECP MANAGER** Logout

**Overview | Join Node Control | Node Monitor | Power | Traffic | Multicast | Settings**

Search Nodes

**Local Group A**

MAC: 14:23:d7:01:48:27  
ID: Qualcomm Atheros En   
Password:  ☐ Show On ☐ Default

**Remote Group A**

MAC: 14:23:D7:01:00:16  
ID: Qualcomm Atheros En   
Password:  ☐ Show On ☐ Default

Remote Node List

Node	Remote MAC Address
1	14:23:D7:01:00:16
2	14:23:D7:01:0C:5E
3	
4	

**Local Group B**

MAC: 14:23:d7:01:48:28  
ID: Qualcomm Atheros En   
Password:  ☐ Show On ☐ Default

**Remote Group B**

MAC: 14:23:D7:01:00:11  
ID: Qualcomm Atheros En   
Password:  ☐ Show On ☐ Default

Remote Node List

Node	Remote MAC Address
1	14:23:D7:01:00:15
2	14:23:D7:01:00:11
3	
4	

- The Join Node Control is used to make network groups by joining the connected ECP/EUP Transmitters with the ECP/EUP managed switch.
- The ECP/EUP managed switch series have either 2 or 4 network groups, with 4 channels per group (1-4, 5-8, 9-12, 13-16). It is possible to avoid network interference by setting a different password for each group.
- Each Local Group (Local Group A, B, C, D) shows information about the receiver's IEEE1901-HPAV chipset. For example, an 8-port receiver has two IEEE1901-HPAV chipsets. Port 1~4 form group A and Port 5~8 form group B. All ECP/EUP managed switch series have the same factory default password, "HomePlugAV".
- Each Remote Group shows information about remote transmitters' IEEE1901-HPAV chipsets connected to the corresponding Local Group. All remote transmitters must have the same password as the Local Group, "HomePlugAV", in order to connect to the Local Group. All ECP/EUP transmitters have the factory default password, "HomePlugAV".
- It is recommended to set a different password for each Group for a secured connection between different network groups.

### [Note]

- Please REMEMBER to change the password on the remote side first, then on the local side.
- If not, the Local Group cannot recognize the devices on the Remote Group and in this case, Users should know the exact password of the remote group for joining.

## ■ Search Nodes

This function allows you to Search the Remote Group nodes joined to each Local Group. Once the search is finished, the WebUI page will refresh and the joining information on each Local Group will appear.

## ■ Local Group A, B or A, B, C, D

- This section shows the information of each **Local Group** (IEEE1901-HPAV chipset), on the ECP managed switch side.
- **MAC**: Mac address of the Group's chipset (the MAC address is read automatically from the device)
- **ID**: Each Group's ID, pre-set with the factory default. You can change the ID as desired.
- **Password**: Enter a new password to create a network group with the Remote Group (Joining)
- **Show On**: If checked, the password will be visible.
- **Default**: If checked, the password will call back the factory default, "HomePlugAV"

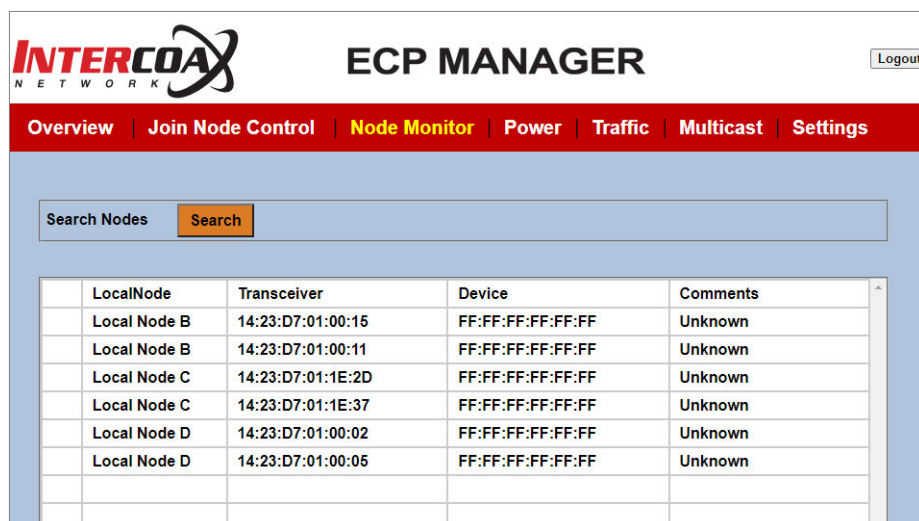
## ■ Remote Group A, B or A, B, C, D

- This section shows the information of each **Remote Group** (IEEE1901-HPAV chipset), on the ECP/EUP Transmitters side.
- **To select a device, click on the corresponding Remote MAC address, which is displayed in the Remote Node List**
- **MAC**: Mac address of the Group's chipset (MAC address is read automatically from the device)
- **ID**: Each Group's ID, pre-set with the factory default. You can change the ID as desired.
- **Password**: Enter a new password to create a network group with the Local Group (Joining)
- **Show On**: If checked, the password will be visible.
- **Default**: If checked, the password will call back the factory default, "HomePlugAV".

### [Note]

Once the password (Joining) of any of the local or remote device has been changed, it may take up to a few minutes for the new password to show.

### 3.3. Node Monitor



LocalNode	Transceiver	Device	Comments
Local Node B	14:23:D7:01:00:15	FF:FF:FF:FF:FF:FF	Unknown
Local Node B	14:23:D7:01:00:11	FF:FF:FF:FF:FF:FF	Unknown
Local Node C	14:23:D7:01:1E:2D	FF:FF:FF:FF:FF:FF	Unknown
Local Node C	14:23:D7:01:1E:37	FF:FF:FF:FF:FF:FF	Unknown
Local Node D	14:23:D7:01:00:02	FF:FF:FF:FF:FF:FF	Unknown
Local Node D	14:23:D7:01:00:05	FF:FF:FF:FF:FF:FF	Unknown

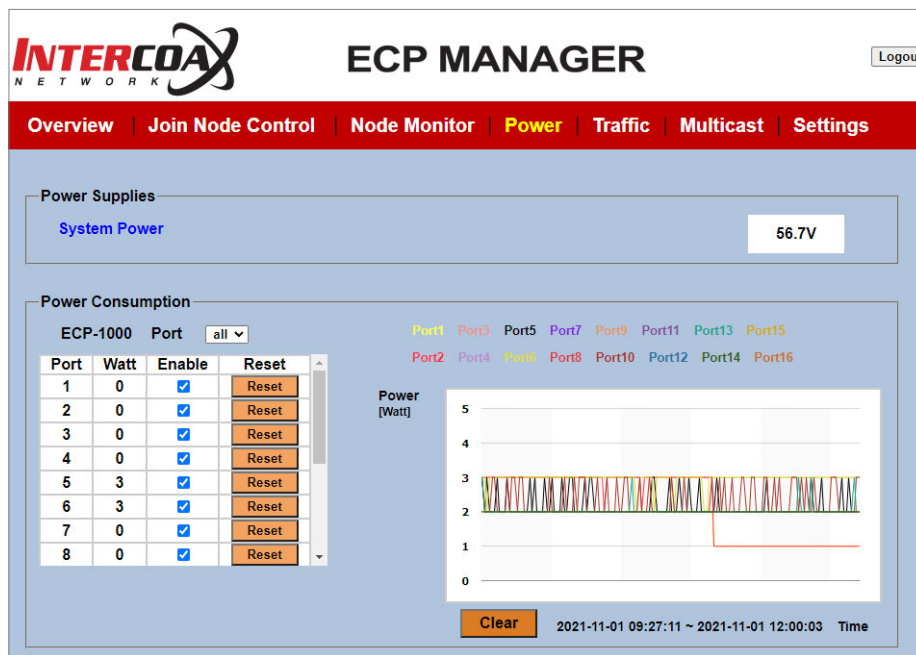
Node Monitor shows the MAC addresses of the ECP/EUP Transmitters and the end devices connected to each Local Node.

#### ■ Search Nodes

This function allows you to search the Remote Group nodes joined with each Local Group. Once the search is finished, the WebUI page will refresh and the joining information on each Local Group will appear.



## 3.4. Power



- The Power tab shows the power information of the ECP managed switch and power usage on every port with a line graph.
- In this page, users can check the system power voltage and the power consumption of the ECP/EUP Transmitters, including the end-devices per port.
- The reset button will shut the power down, then restart transmitting power on the selected port; it is convenient to reboot a transmitter and its connected end-devices.

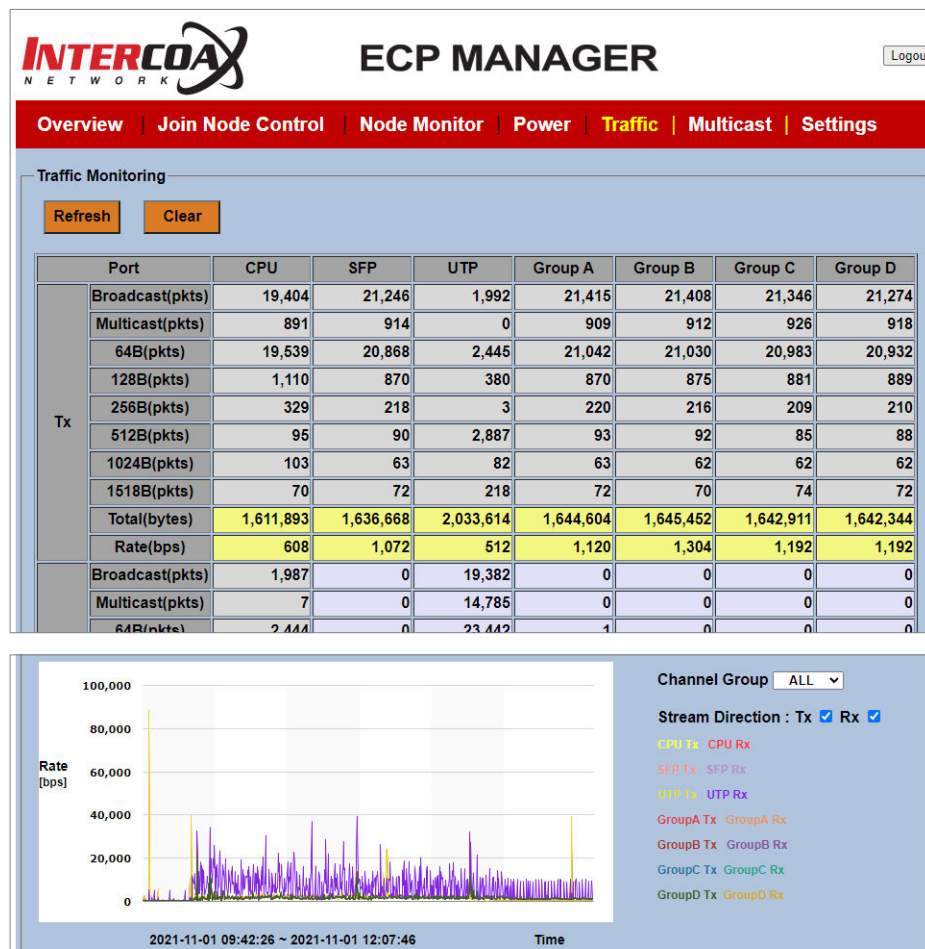
### ■ Power Supplies

- **System Power:** shows the current system power voltage.

### ■ Power consumption

- **Port:** Port number
- **Watt:** Current power consumption for each port
- **Enable :** If checked, power is supplied to the port; if not, power is down on the port.
- **Reset Button:** When pressing the Reset button, power over the B-Linx or T-Linx port will be cut down for 3 seconds, then start transmitting again.

## 3.5. Traffic



- The traffic tab shows all kinds of traffic statistics about each port of the ECP managed switch and the traffic rate for every port with the line graph.
- Information for all traffic statistics, except “Rate”, shows a cumulated value.

### ■ Traffic Monitoring

- **Refresh** : All traffic statistics will be refreshed.
- **Clear** : All traffic statistics will be cleared.

## 3.6. Multicast

The screenshot shows the 'ECP MANAGER' web interface. At the top, there's a navigation bar with links: Overview, Join Node Control, Node Monitor, Power, Traffic, Multicast (highlighted), and Settings. A 'Logout' button is in the top right. Below the navigation bar, the 'Multicast' section contains an 'IGMP Query Generator' checkbox which is checked, with an 'Apply' button to its right. Below this is the 'Multicast IGMP Report Generator' section, which has two input fields: 'MAC Address' and 'Multicast Address'. There are 'Add', 'Modify', and 'Delete' buttons associated with these fields. At the bottom, there is a table listing existing multicast addresses with columns for 'MAC Address' and 'Multicast Address'.

- The Multicast tab shows multicast addresses that have been added manually.
- IGMP snooping is supported and applies when checking the “IGMP Query Generator” box. Once the “IGMP Query Generator” box is checked, IGMP snooping is automatically enabled, and multicast streams are automatically read on the ECP device, using IGMP snooping.
- If IGMP snooping is not required, users can add the desired multicast addresses manually. Multicast IP addresses will then be added to the listing.

### ■ IGMP Query Generator

- **Checked:** IGMP Snooping is enabled automatically. IGMP Query Generator is in use.
- **Unchecked:** IGMP Snooping is disabled; IGMP Query Generator is not in use.
- **Apply Button:** Click on “Apply” to validate and start the IGMP Query Generating

### ■ Multicast IGMP Report Generator

- **MAC address:** MAC address of multicast stream
- **Multicast address:** IPv4 Multicast address of multicast stream
- **To select an already added multicast address, click on the desired multicast address in the listing.**
- **Add Button:** Add a new Multicast address.
- **Modify Button:** Modify a multicast address.
- **Delete Button:** Delete the selected device with the corresponding multicast address

This screenshot shows the same 'Multicast' section as the previous image, but with the 'IGMP Query Generator' checkbox unchecked. The 'Multicast IGMP Report Generator' section now has the 'MAC Address' field populated with '01:00:5E:01:01:02' and the 'Multicast Address' field populated with '239.1.1.2'. The table at the bottom now contains two entries:

	MAC Address	Multicast Address
<input type="checkbox"/>	01:00:5E:01:01:01	239.1.1.1
<input type="checkbox"/>	01:00:5E:01:01:02	239.1.1.2

## 3.7. Settings

- The **Settings** tab supports the following features:
- **System Maintenance**
  - Set ECP ID and Location
  - Upgrade ECP firmware
  - Factory Reset, System Reboot
- **Network Settings**: ECP IP address, Name Server
- **NTP Setting**: NTP Server, Time Zone
- VLAN Setting, 2nd Network with SFP uplink
- QoS Setting, Port Based Priority
- ECP Configuration Backup and Restore
- Web Login Password Setting
- SNMP Community Settings
- SSH Admin Account Password Settings

### ■ System Maintenance

The screenshot shows the 'System Maintenance' section of a web interface. It contains several input fields and buttons. The 'ECP ID' field is set to 'ECP-1000' and the 'Location' field is set to 'intercoax'. There are 'Submit' buttons for both fields. Below these, there are three rows of controls: 'Factory Reset' with a 'Submit' button, 'System Reboot' with a 'Submit' button, and 'Firmware Upgrade' with a 'Browse' button, an empty text input field, and an 'Upgrade' button.

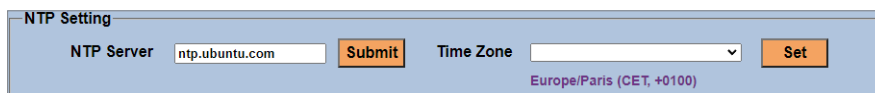
- **ECP ID / Location** : Enter the desired ID and Location of the device.
- **Factory Reset** : Reset the device back to factory default.
- **System Reboot** : Reboot the device.
- **Firmware Upgrade** : Upgrade the device with the new firmware.  
※ Format for the Firmware filename : RosUpgrade\_ECP-2816RM\_VERSION\_DATE.img

### ■ Network Settings

The screenshot shows the 'Network Settings' section of a web interface. It contains two main groups of settings. The first group includes 'IP Address' (192.168.0.212), 'Subnet Mask' (255.255.255.0), and 'Gateway' (192.168.0.1), each with a corresponding text input field and a 'Submit' button. The second group includes 'PortA Local MAC' (14:23:d7:01:48:27), 'PortB Local MAC' (14:23:d7:01:48:28), 'PortC Local MAC' (14:23:d7:01:48:29), and 'PortD Local MAC' (14:23:d7:01:48:2a), each with a corresponding text input field. Below these, there are 'Name Server 1' (8.8.8.8) and 'Name Server 2' (8.8.4.4) fields, each with a 'Submit' button.

- **IP Address, Subnet Mask, Gateway** : Enter the desired addresses for the device.
- **Local Group A / B / C / D MAC** : Pre-registered Local Node MAC addresses are displayed automatically.
- **Name Server 1, Name Server 2** : Enter the desired DNS Server address.  
※ Google DNS Server : 8.8.8.8, 8.8.4.4

## ■ NTP Setting

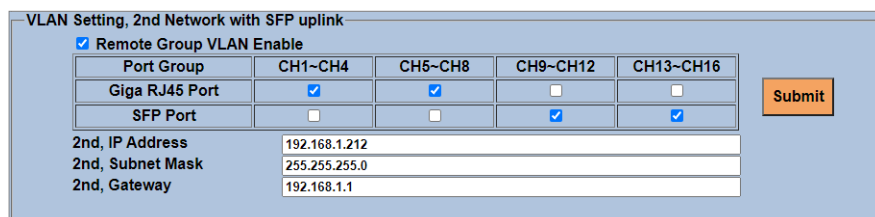


NTP Setting

NTP Server   Time Zone

- **NTP Server:** Enter the desired address of the NTP Server.
- **Time Zone:** Set the time zone for your location.

## ■ VLAN Setting, 2nd Network with SFP uplink



VLAN Setting, 2nd Network with SFP uplink

☒ Remote Group VLAN Enable

Port Group	CH1~CH4	CH5~CH8	CH9~CH12	CH13~CH16
Giga RJ45 Port	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SFP Port	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

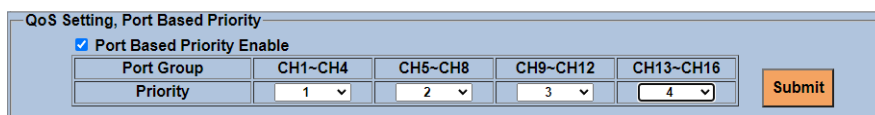
2nd, IP Address   
2nd, Subnet Mask   
2nd, Gateway

- On the VLAN Setting menu, users can specify the uplink path for each group.
- Check the “Remote Group VLAN Enable” Box to activate the VLAN function and select the uplink path to Giga Ethernet or the SFP port for each group.

### [Note]

ECP/EUP Managed Switch series have 2 or 4 network groups with 4 channels each (1-4, 5-8, 9-12, 13-16). VLAN Settings are done per group.

## ■ QoS Setting, Port Based Priority



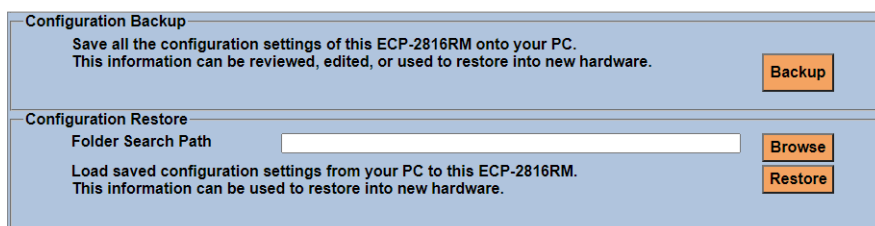
QoS Setting, Port Based Priority

☒ Port Based Priority Enable

Port Group	CH1~CH4	CH5~CH8	CH9~CH12	CH13~CH16
Priority	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="4"/>

- In QoS Setting, users can specify the priority of each group.
- Check the “Port Based Priority Enable” Box to activate the QoS feature and select the priority for each group.  
※ A Higher Number means a higher priority, with number 4, the highest.

## ■ Configuration Backup & Restore



Configuration Backup

Save all the configuration settings of this ECP-2816RM onto your PC.  
This information can be reviewed, edited, or used to restore into new hardware.

Configuration Restore

Folder Search Path

Load saved configuration settings from your PC to this ECP-2816RM.  
This information can be used to restore into new hardware.

- Configuration Backup : Backup all current settings of the device.
- Configuration Restore : Restore the saved settings of the device.

## ■ Login Settings

Login Settings	
Change Password	<input type="text"/>
Check Change Password	<input type="text"/>
<input type="button" value="submit"/>	

- This is used to change the password for the web 'admin' user on the device.

## ■ SNMP Community Settings

SNMP Community Settings	
RO Community String	<input type="text" value="readonly"/>
RW Community String	<input type="text" value="readwrite"/>
<input type="button" value="submit"/>	

- It is possible to change the SNMP Read-Only and Read-Write Community Strings. Simply indicate the desired values and click 'submit'.

## ■ SSH Admin Account Password Settings

SSH Admin Account Password Settings	
Change Password	<input type="text"/>
Check Change Password	<input type="text"/>
<input type="button" value="submit"/>	

- This is used to change the Password for the SSH 'admin' user on the device.

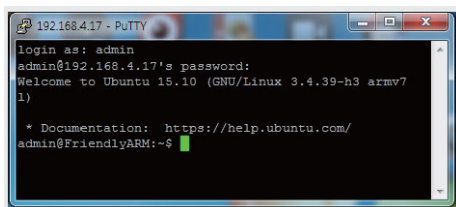
## 4. ECP CLI commands

### 4.1. SSH

1. Download and Install PuTTY
2. Double-Click on the PuTTY icon

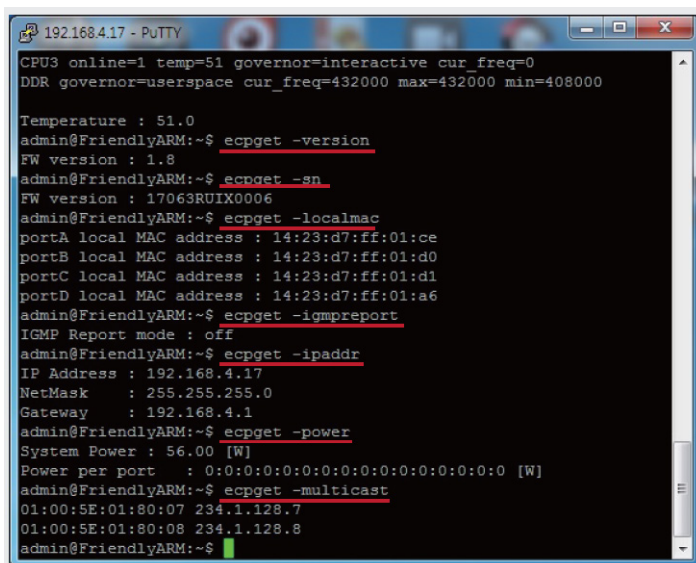


3. Category – Setting in Session
  - **Host Name (or IP address)** : ECP IP address (Default : 192.168.4.17)
  - **Port** : 22
  - **Connection type** : SSH
  - Click **Open**
4. SSH Login ID : **admin** / PW : **admin0417**



### 5.Commands

- |                  |                                   |
|------------------|-----------------------------------|
| ECP status check | <ecpget -option>                  |
| ECP setting      | <ecpset -option>                  |
| ECP control      | <ecpreset -option>                |
|                  | - h option : display HELP message |



## 4.2. ECP CLI commands table

CLI List	Description
Device Information	<ul style="list-style-type: none"><li>• ECP device information display commands</li><li>• Usage : <code>ecpinform -[option]</code></li><li>• Option :<ul style="list-style-type: none"><li>- <code>hwversion</code></li><li>- <code>fwversion</code></li><li>- <code>model</code></li><li>- <code>porttype</code></li><li>- <code>portnumber</code></li><li>- <code>productnumber</code></li><li>- <code>serialnumber</code></li></ul></li></ul>
Configuration Check	<ul style="list-style-type: none"><li>• ECP configuration check commands</li><li>• Usage : <code>ecpconfig -[option]</code></li><li>• Option :<ul style="list-style-type: none"><li>- <code>igmpquery</code> ; shows the IGMP Query setting: mode on, off</li><li>- <code>ipaddr</code> ; shows the IP network address</li><li>- <code>multicast</code> ; shows the Multicast report</li><li>- <code>nameserver</code> ; shows the name server address</li><li>- <code>ntp</code> ; displays the NTP server</li><li>- <code>timezone</code> ; shows the time zone</li><li>- <code>vlan</code> ; shows the VLAN settings</li></ul></li></ul>
Status Check	<p>ECP status check commands</p> <p>Usage : <code>ecpstatus -[option]</code></p> <p>Option :</p> <ul style="list-style-type: none"><li>- <code>-power</code></li><li>- <code>-temp</code></li><li>- <code>-runtime</code></li></ul>
Running History	<ul style="list-style-type: none"><li>• ECP running history display commands</li><li>• Usage : <code>ecphistory -[option]</code></li><li>• Option :<ul style="list-style-type: none"><li>- <code>log</code></li><li>- <code>power</code></li></ul></li></ul>
IGMP Query/Snooping	<ul style="list-style-type: none"><li>• ECP IGMP Query/Snooping control commands</li><li>• Usage : <code>ecpigmpquery -[option]</code></li><li>• Option :<ul style="list-style-type: none"><li>- <code>on</code></li><li>- <code>off</code></li></ul></li></ul>



CLI List	Description
Multicast	<ul style="list-style-type: none"> <li>ECP multicast address add, delete</li> <li>Usage : ecpmulticast -[option]</li> <li>Option : <ul style="list-style-type: none"> <li>add [Multicast IP Address]</li> <li>delete [Multicast IP Address]</li> <li>list</li> </ul> </li> </ul>
Port Control	<ul style="list-style-type: none"> <li>ECP port control commands</li> <li>Usage : ecpport -[option] [parameter]</li> <li>Option : <ul style="list-style-type: none"> <li>number</li> <li>reset [port number]</li> <li>enable [port number]</li> <li>disable [port number]</li> </ul> </li> </ul>
Port Reset	<ul style="list-style-type: none"> <li>ECP port reset commands</li> <li>Usage : ecpportreset -[option] [parameter]</li> <li>Option : <ul style="list-style-type: none"> <li>port [port number] ; reset port</li> </ul> </li> </ul>
Traffic Monitoring	<ul style="list-style-type: none"> <li>ECP traffic monitoring commands</li> <li>Usage : ecptmon -[option] [port]</li> <li>Option : <ul style="list-style-type: none"> <li>all ; displays all information</li> <li>groupA ; CH1~CH4 Rx Traffic</li> <li>groupB ; CH5~CH8 Rx Traffic</li> <li>groupC ; CH9~CH12 Rx Traffic</li> <li>groupD ; CH13~CH16 Rx Traffic</li> <li>UTP ; RJ45 Ethernet Port Rx Traffic</li> <li>SFP ; SFP Port Rx Traffic</li> <li>CPU ; CPU Rx Traffic</li> </ul> </li> </ul>
SNMP Get Community	<ul style="list-style-type: none"> <li>ECP SNMP get community commands</li> <li>Usage : ecpsnmpget -[option]...</li> <li>Option : <ul style="list-style-type: none"> <li>rwcommunity ; displays the rwcommunity string</li> <li>rocommunity ; displays the rocommunity string</li> </ul> </li> </ul>
SNMP Set Community	<ul style="list-style-type: none"> <li>ECP SNMP set community commands</li> <li>Usage : ecpsnmpset -[option]...</li> <li>Option : <ul style="list-style-type: none"> <li>rwcommunity ; displays the rwcommunity string</li> <li>rocommunity ; displays the rocommunity string</li> </ul> </li> </ul>

CLI List	Description
Node Management	<ul style="list-style-type: none"> <li>• ECP node join information commands</li> <li>• Usage : <code>ecpnode -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>-localmac</code> ; displays the local MAC addresses</li> <li>- <code>-remotemac</code> ; displays the remote MAC addresses per port</li> <li>- <code>-nmk</code> ; displays the NMK information</li> <li>- <code>-ufid</code> ; displays the UFID information</li> <li>- <code>-macnmk [mac]</code> ; displays the NMK information for a specific mac</li> <li>- <code>-macufid [mac]</code> ; displays the UFID information for a specific mac</li> </ul> </li> </ul>
Local Node Check	<ul style="list-style-type: none"> <li>• ECP local node join information check commands</li> <li>• Usage : <code>ecpnodelocal -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>nmk</code> ; displays the NMK information</li> <li>- <code>ufid</code> ; displays the UFID information</li> </ul> </li> </ul>
Local Node Set	<ul style="list-style-type: none"> <li>• ECP local node join information set commands</li> <li>• Usage : <code>ecpnodelocalset -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>groupA -nmk [nmk hexa string]</code>; sets groupA's NMK information</li> <li>- <code>groupB -nmk [nmk hexa string]</code>; sets groupB's NMK information</li> <li>- <code>groupC -nmk [nmk hexa string]</code>; sets groupC's NMK information</li> <li>- <code>groupD -nmk [nmk hexa string]</code>; sets groupD's NMK information</li> <li>- <code>groupA -ufid [ufid string]</code>; sets groupA's UFID information</li> <li>- <code>groupB -ufid [ufid string]</code>; sets groupB's UFID information</li> <li>- <code>groupC -ufid [ufid string]</code>; sets groupC's UFID information</li> <li>- <code>groupD -ufid [ufid string]</code>; sets groupD's UFID information</li> </ul> </li> </ul>
Remote Node Check	<ul style="list-style-type: none"> <li>• ECP remote node join information check commands</li> <li>• Usage : <code>ecpnoderemote -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>macnmk [mac]</code> ; displays the NMK information for a specific mac</li> <li>- <code>macufid [mac]</code> ; displays the UFID information for a specific mac</li> </ul> </li> </ul>
Remote Node Set	<ul style="list-style-type: none"> <li>• ECP remote node join information set commands</li> <li>• Usage : <code>ecpnoderemoteset -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>[remote MAC] -nmk [nmk hexa string]</code> ; set the remote node's NMK information</li> <li>- <code>[remote MAC] -ufid [ufid hexa string]</code> ; set the remote node's UFID information</li> </ul> </li> </ul>

CLI List	Description
General Get	<ul style="list-style-type: none"> <li>• ECP general information get commands</li> <li>• Usage : <code>ecpget -[option]...</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>igmpquery</code> ; shows the IGMP Query status: on, off setting</li> <li>- <code>ipaddr</code> ; shows the IP network address</li> <li>- <code>localmac</code> ; shows the port local MAC addresses</li> <li>- <code>multicast</code> ; shows information about Multicast snooping</li> <li>- <code>nameserver</code> ; shows the IP network address</li> <li>- <code>nmk</code> ; shows the NMK information</li> <li>- <code>ntp</code> ; shows the NTP server</li> <li>- <code>macnmk [mac]</code> ; shows the NMK information for a specific mac</li> <li>- <code>power</code> ; shows the power consumption</li> <li>- <code>remotemac</code> ; shows the remote MAC addresses' per port</li> <li>- <code>temp</code> ; shows the internal temperature</li> <li>- <code>sn</code> ; shows the serial number</li> <li>- <code>qos</code> ; shows the QOS settings</li> <li>- <code>timezone</code> ; shows the time zone</li> <li>- <code>timezonelist</code> ; shows the time zone list</li> <li>- <code>ufid</code> ; shows the UFID information</li> <li>- <code>macufid [mac]</code> ; shows the UFID information for a specific mac</li> <li>- <code>version</code> ; shows the device's firmware version</li> <li>- <code>vlan</code> ; display the VLAN settings</li> <li>- <code>devid</code> ; shows the DEVICE-ID(SysName) settings</li> <li>- <code>location</code> ; shows the DEVICE Location(SysLocation)</li> </ul> </li> </ul>
General Set	<ul style="list-style-type: none"> <li>• ECP general information set command</li> <li>• Usage : <code>ecpset -[option] [parameter]</code></li> <li>• Option : <ul style="list-style-type: none"> <li>- <code>igmpquery [on/off]</code>; sets the IGMP Query mode [on, off]</li> <li>- <code>ipaddr [192.168.4.17]</code>; sets the IP network address</li> <li>- <code>netmask [255.255.255.0]</code>; sets the IP network address netmask</li> <li>- <code>gateway [192.168.4.1]</code>; sets the default gateway address</li> <li>- <code>ipaddr2 [192.168.4.17]</code>; sets the IP network address for vlan2</li> <li>- <code>netmask2 [255.255.255.0]</code>; sets the IP network address mask for vlan2</li> <li>- <code>gateway2 [192.168.4.1]</code>; sets the default gateway address for vlan2</li> <li>- <code>nameserver [1.214.68.2] [61.41.xx.xx]</code>; sets the name server address</li> <li>- <code>ntp [ntp.ubuntu.com]</code>; sets the ntp server</li> <li>- <code>timezone [time zone]</code>; sets the time zone</li> <li>- <code>vlan</code>; configures the VLAN settings</li> <li>- <code>devid</code>; configures the DEVICE-ID(SysName) settings</li> <li>- <code>location</code>; configures the DEVICE Location(SysLocation) settings</li> </ul> </li> </ul>