



# **CyberExpert “網路管理專家”**

## **用戶使用指南**

**Revision 1.0**

**VIA TECHNOLOGIES, INC.**

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## Revision History

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1.0	2014-06-13	For initial draft release.	HarryChiang

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# CyberExpert “網路管理專家” 用戶使用指南目錄

1. “網路管理專家”網頁啓動 .....	5
2. “網路管理專家”帳號設定 .....	8
2-1. Account.....	8
2-2. Settings .....	12
3. “網路管理專家”網路設備總覽 .....	16
3-1. Device .....	16
3-2. Setting.....	18
3-3. 網路設備總結網頁.....	26
3-3-1. OverView .....	27
3-3-2. Statistics .....	28
3-3-3. VLAN.....	31
3-3-4. Chart .....	32
4. “網路管理專家”網路拓譜圖.....	35
5. “網路管理專家”無線控制器.....	37
5-1. AC .....	37
5-2. AP .....	40
5-3. Clients .....	43
6. “網路管理專家”狀態呈報日誌紀錄 .....	46
6-1. AC 日誌.....	46
6-2. AP/STA 日誌.....	47
6-3. “網路管理專家”日誌 .....	48
6-4. “網路管理專家”異常日誌 .....	49
7. “網路管理專家”工具 .....	50
8. 關於“網路管理專家” .....	51

9. “網路管理專家”版權設定 .....	52
10. 全球服務中心據點 .....	53

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## 1. “網路管理專家”網頁啟動

步驟 1. 先把“網路管理專家”電源啟動後，“網路管理專家”程式會自動啟動。在任一電腦上執行網路瀏覽器(建議使用 Google Chrome)並輸入伺服器 IP 網址。



進入“網路管理專家”主畫面



## Cyber Expert

Please use your account to login.

A login form with a light purple background. It contains two input fields: 'Username' and 'Password', both with red dashed borders. Below these is a blue button with the text 'sign in' in white, also with a red dashed border. At the bottom left is a checkbox labeled 'Stay signed in', and at the bottom right is a purple link labeled 'Forget password'.

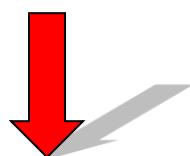
步驟 2. 分別在 Username 及 Password

都輸入 admin，再將滑鼠點選 sign in 進入

“網路管理專家”初始網頁畫面!

滑鼠點選 Stay signed in 是連續登入七天，無須密碼。

滑鼠點選 Forget password 是忘記密碼時使用。





## Device

Collect devices for management and show basic information and status.

---

## Topology

Provide a tree structure to show all managed devices by their logical relationship, and also provide a function to show trace path between any two peers.

---

## WLC

### AC-

AC information and Status.

---

### AP-

AP list, real-time chart, history chart and log.

---

## Log

System wide log viewer.

---

## Account

View and edit user account data.

---

## Setting

Modify system settings.

---

## About

Show NMS version and company logo, address, contact person, e-mail and telephone.





## 2. “網路管理專家”帳號設定

### 2-1. Account

滑鼠點選 **Account**，是用來設定新增及編輯使用者帳號，第一次用 Admin 登入時，請輸入 Email 及 Phone Number。



#### User Information

Username: admin  
Password: \*\*\*\*\* [Edit](#)  
Name: Administrator [Edit](#)  
Email: [Edit](#)  
Phone Number: [Edit](#)

第一次用 Admin 登入時，請輸入 Email 及 Phone Number。

[Create NEW Account](#)

#### Account List

Username	Level	Name	Email	Phone number	Login time	Logout time
admin	admin	Administrator			2014-10-16 11:32:46.062	2014-10-16 11:32:35.187

如需設定新增使用者帳號，滑鼠點選 **Create NEW Account**



## User Information

Username:

Password:

Password again:

Level:

Name:

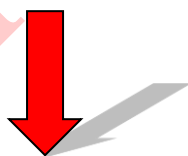
Email:

Phone Number:

滑鼠點選 Check，是用來檢查使用者帳號是否重複。輸入完成後按 Create Account 產生新帳號。

滑鼠點選 Password 旁的 Edit，是用來重新設定使用者密碼

Password: \*\*\*\*\*



## User Information

Username:

Password:

Input NEW Password:

Input NEW Password again:

先輸入舊的使用者密碼，再輸入新的使用者密碼兩次，確定後再按 OK。

滑鼠點選 Name 旁的 Edit，是用來重新設定使用者姓名

Name: Administrator [Edit](#)



### User Information

Username: admin

Name: Administrator

Cancel Ok

先輸入新的使用者姓名，確定後再按 OK。

滑鼠點選 EMail 旁的 Edit，是用來重新設定使用者電子郵件

Email: vianetworking1@gmail.com [Edit](#)



## User Information

Username: admin

Email:

Cancel

Ok

先輸入新的使用者電子郵件，確定後再按 OK。

滑鼠點 Phone Number 旁的 Edit，是用來重新設定使用者電子郵件

Phone Number: 0900000000

Edit

## User Information

Username: admin

Phone Number:

Cancel

Ok

先輸入新的使用者手機號碼，確定後再按 OK。

## 2-2. Settings

滑鼠點選 **Settings**，是用來設定電子郵件(E-Mail) 帳號、簡訊(SMS)及其他相關設定。



滑鼠點選 **Settings**，可用來設定及改變即時流量圖更新時間(Default Real-time Chart Time) 及 Single IP Port Setting，設定完成後，滑鼠點選 **Apply**。

### *Value Setting*

Default Real-time Chart Time:	<input type="text" value="10sec"/>
Single IP Port Setting:	<input type="text" value="88"/>
<input type="button" value="Apply"/>	

滑鼠點選 **Settings**，可用來設定及改變電子郵件寄件者，及相關的主旨內容，設定完成後，滑鼠點選 **Submit**。

### *Notify Mail*

Sender:	<input type="text" value="VIA CyberExpert NOTICE &lt;vianetworking1@gmail.com&gt;"/>
Subject:	<input type="text" value="CyberExpert E-Mail Message"/>
<input type="button" value="Submit"/>	

滑鼠點選 **Settings**，可用來設定及改變網路簡訊使用者帳號，及其密碼(目前是使用三竹簡訊)，設定完成後，滑鼠點選 **Submit**。

### ***Notify SMS***

Username:

Password:

**Submit**

滑鼠點選 **Settings**，可用來設定及改變異常(Alarm)通知對象，可選擇發送對象的電子郵件(Email)或是簡訊(SMS)，及選擇(Select)欲發送對象，設定完成後，滑鼠點選 **Submit**。

### ***Alarm Setting***

Alarm Name	Email	SMS	
CyberExpert Start Up	<input type="checkbox"/>	<input type="checkbox"/>	Select
CyberExpert Shut Down	<input type="checkbox"/>	<input type="checkbox"/>	Select
Device Disconnect	<input type="checkbox"/>	<input type="checkbox"/>	Select
Monitored Port Link Up	<input type="checkbox"/>	<input type="checkbox"/>	Select
Monitored Port Link Down	<input type="checkbox"/>	<input type="checkbox"/>	Select
Critical Port Link Up	<input type="checkbox"/>	<input type="checkbox"/>	Select
Critical Port Link Down	<input type="checkbox"/>	<input type="checkbox"/>	Select

**Submit**

#### **Email**

- ☒ Administrator
- ☐ RichardTai
- ☒ HarryChiang
- ☐ KaiChun
- ☐ JamesHung
- ☐ User

#### **SMS**

- ☐ Administrator
- ☐ RichardTai
- ☐ HarryChiang
- ☐ KaiChun
- ☐ JamesHung
- ☐ User

滑鼠點選 **Settings**，也可用來設定及改變主機網路介面設定(Host Interface Configuration)，設定完成後，輸入驗證碼後按 **Save Configuration**。

### *Host Interfaces Configuration*

---

#### **Eth1**

**MAC Address :** 00:12:7b:11:00:55

**DHCP Client :** ☐

**IP Address :**

**Netmask :**

**Gateway :**

**DNS1 :**  (Optional)

**DNS2 :**  (Optional)

**DNS3 :**  (Optional)

**Restore**

#### **Eth2**

**MAC Address :** 00:12:7b:11:00:56

**DHCP Client :** ☐

**IP Address :**

**Netmask :**

**Restore**

**Captcha code :** **it81B2**

**Please enter the correct captcha code :**

**Save Configuration**

滑鼠點選 **Settings**，也可用來設定乙太網路供電排程(PoE Daily Schedule)，可指定網口電力供應時段，設定完成後，滑鼠點選 **Apply**。

### ***POE Daily Schedule***

---

Schedule name:

---

Start:

---

End:

### ***POE schedule list***

---

<input type="checkbox"/> Delete	Time Schedule Name	Start	End
	<input type="button" value="Delete"/>		

滑鼠點選 **Settings**，可用來 線上更新“網路管理專家”軟體 (CyberExpert Update) 並選擇檔案，設定完成後，滑鼠點選 **Submit**。

### ***CyberExpert Update***

---

未選擇任何檔案



### 3. “網路管理專家”網路設備總覽

#### 3-1. Device

滑鼠點選 **Device**，是用來設定新增及移除網路相關設備(例如:L2、L3 交換器、防火牆等)，”網路管理專家”可以自動網路搜尋網路相關設備。



加入網路相關設備。

**Device List**

Search:

Show 10 entries

IP Addr	Device Type	Alias	MAC Addr	Eth. Port RJ45/Fiber	Last Update	Alive	Setting	Delete
061.220.040.145	internet	Internet	N/A	1/0	2014-10-09 16:50:34	✓	Setting	<input type="checkbox"/>
061.220.040.157	internet	Internet	N/A	1/0	2014-10-09 16:50:34	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.001</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:61	24/4	2014-10-09 16:50:00	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.002</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:81	24/4	2014-10-09 16:50:31	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.003</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:A1	24/4	2014-10-09 16:50:31	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.004</a>	l2switch	B區 自強大樓3樓儲藏室 PoE Managed Switch	00:12:7B:72:02:C1	24/4	2014-10-09 16:50:31	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.005</a>	l2switch	B區 自強大樓3樓儲藏室 PoE Managed Switch	00:12:7B:72:02:E1	24/4	2014-10-09 16:50:31	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.006</a>	l2switch	B區 自強大樓3樓儲藏室 PoE Managed Switch	00:12:7B:72:03:01	24/4	2014-10-09 16:50:32	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.007</a>	l2switch	C區 自強大樓3樓儲藏室 PoE Managed Switch	00:12:7B:72:03:81	24/4	2014-10-09 16:50:32	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.008</a>	l2switch	C區 自強大樓3樓儲藏室 PoE Managed Switch	00:12:7B:72:03:E1	24/4	2014-10-09 16:50:32	✓	Setting	<input type="checkbox"/>

Showing 1 to 10 of 306 entries

Previous 1 2 3 4 5 ... 31 Next

滑鼠點選 IP Addr 的 Device 是進入該台網路設備總結網頁

滑鼠點選 Setting 是進入該台網路設備設定網頁

滑鼠點選 Add，是用來新增網路相關設備(例如:L2、L3 交換器、防火牆等)，網路管理專家可以自動網路搜尋網路相關設備。

Device Insert：是個別加入網路相關設備，輸入 IP、SNMP Port、Community、SNMP Timeout，"網路管理專家"可以指定網路設備 IP，以個別加入網路相關設備。對於不支持 SNMP 的網路相關設備，需勾選 Non-Management，以手動方式加入，加入設備的種類有:L2 Switch、L3 Switch、AC、AP、Firewall、Server、PC、Internet。

Device Scan：是集體方式加入網路相關設備，輸入起始 IP 及終點 IP、SNMP Port、Community、SNMP Timeout，然後網路管理專家可以自動網路搜尋，以集體方式加入網路相關設備。

#### Device Insert

IP	Port	Community	Timeout	<input type="checkbox"/> Non-Management	
172.16.66.14	161	public	1sec	<input type="checkbox"/>	Select Device
					Add

#### Device Scan

Start IP	End IP	Port	Community	Timeout	
172.16.66.14	172.16.67.1	161	public	1sec	Scan

對於不支持 SNMP 的網路相關設備，需勾選 Non-Management，以手動方式加入，加入設備的種類有:L2 Switch、L3 Switch、AC、AP、Firewall、Server、PC、Internet。

#### Device Insert

IP	Port	Community	Timeout	<input checked="" type="checkbox"/> Non-Management	
172.16.66.14	161	public	1sec	<input checked="" type="checkbox"/>	Select Device
					Add

#### Device Scan

Start IP	End IP	Port	Comm	
172.16.66.14	172.16.67.1	161	public	Scan

et	Internet	N/A		
et	Internet	N/A		
ch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:61		
ch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:81		
	A區 演藝大樓2樓機櫃 PoE			

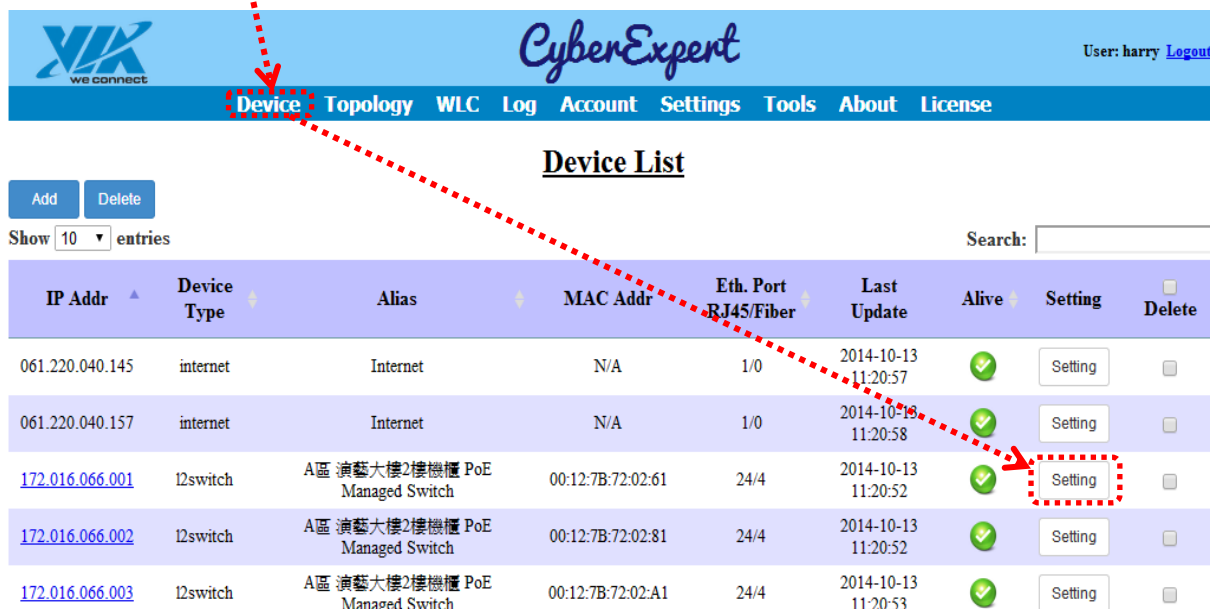
Select Device

L2SW1GR8  
L2SW1GR8F2  
L2SW1GR8F4  
L2SW1GR16  
L2SW1GR16F2  
L2SW1GR16F4  
L2SW1GR24  
L2SW1GR24F2  
L2SW1GR24F4  
L2SW1GR48  
L2SW1GR48F2  
L2SW1GR48F4  
L3SW1GR8  
L3SW1GR8F2  
L3SW1GR8F4  
L3SW1GR16  
L3SW1GR16F2  
L3SW1GR16F4  
L3SW1GR24

2014-10-10 10:30:30  
2014-10-10 10:30:31  
2014-10-10 10:30:00  
2014-10-10 10:30:26  
2014-10-10

### 3-2. Setting

滑鼠點選 Device，再點選 Setting 是進入該台網路設備 設定網頁



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The 'Device' link is highlighted with a red dotted arrow. Below the navigation bar is the 'Device List' section, which contains a table of network devices. The table has columns for IP Addr, Device Type, Alias, MAC Addr, Eth. Port, Last Update, Alive, Setting, and Delete. The 'Setting' column contains buttons labeled 'Setting'. A red dotted arrow points from the 'Device' menu item to the 'Setting' button for the device with IP 172.016.066.001.

IP Addr	Device Type	Alias	MAC Addr	Eth. Port	Last Update	Alive	Setting	Delete
061.220.040.145	internet	Internet	N/A	1/0	2014-10-13 11:20:57	✓	Setting	<input type="checkbox"/>
061.220.040.157	internet	Internet	N/A	1/0	2014-10-13 11:20:58	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.001</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:61	24/4	2014-10-13 11:20:52	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.002</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:81	24/4	2014-10-13 11:20:52	✓	Setting	<input type="checkbox"/>
<a href="#">172.016.066.003</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:A1	24/4	2014-10-13 11:20:53	✓	Setting	<input type="checkbox"/>

## Device IP : 172.16.66.1 Setting

Topology
Port status
Vlan
POE
POE Schedule
Monitor
Trap
Other

Port	Manual	IP	Port	Manual	IP
1	<input type="checkbox"/>	172.16.66.31 ▼	15	<input type="checkbox"/>	172.16.66.45 ▼
2	<input type="checkbox"/>	172.16.66.32 ▼	16	<input type="checkbox"/>	172.16.66.46 ▼
3	<input type="checkbox"/>	172.16.66.33 ▼	17	<input type="checkbox"/>	172.16.66.47 ▼
4	<input type="checkbox"/>	172.16.66.34 ▼	18	<input type="checkbox"/>	172.16.66.48 ▼
5	<input type="checkbox"/>	172.16.66.35 ▼	19	<input type="checkbox"/>	172.16.66.49 ▼
6	<input type="checkbox"/>	172.16.66.36 ▼	20	<input type="checkbox"/>	172.16.66.50 ▼
7	<input type="checkbox"/>	172.16.66.37 ▼	21	<input type="checkbox"/>	-----NONE----- ▼
8	<input type="checkbox"/>	172.16.66.38 ▼	22	<input type="checkbox"/>	-----NONE----- ▼
9	<input type="checkbox"/>	172.16.66.39 ▼	23	<input type="checkbox"/>	-----NONE----- ▼
10	<input type="checkbox"/>	172.16.66.40 ▼	24	<input type="checkbox"/>	-----NONE----- ▼
11	<input type="checkbox"/>	172.16.66.41 ▼	25	<input type="checkbox"/>	172.16.66.15 ▼
12	<input type="checkbox"/>	172.16.66.42 ▼	26	<input type="checkbox"/>	-----NONE----- ▼
13	<input type="checkbox"/>	172.16.66.43 ▼	27	<input type="checkbox"/>	-----NONE----- ▼
14	<input type="checkbox"/>	172.16.66.44 ▼	28	<input type="checkbox"/>	-----NONE----- ▼

Apply

設定網頁有 Topology、Port status、VLAN、POE、POE Schedule、Monitor、Trap、Other 等相關設備設定

## Topology 設定網頁

### Device IP : 172.16.66.1 Setting

Topology
Port status
Vlan
POE
POE Schedule
Monitor
Trap
Other

Port	Manual	IP	Port	Manual	IP
1	<input type="checkbox"/>	172.16.66.31 ▼	15	<input type="checkbox"/>	172.16.66.45 ▼
2	<input type="checkbox"/>	172.16.66.32 ▼	16	<input type="checkbox"/>	172.16.66.46 ▼
3	<input type="checkbox"/>	172.16.66.33 ▼	17	<input type="checkbox"/>	172.16.66.47 ▼
4	<input type="checkbox"/>	172.16.66.34 ▼	18	<input type="checkbox"/>	172.16.66.48 ▼
5	<input type="checkbox"/>	172.16.66.35 ▼	19	<input type="checkbox"/>	172.16.66.49 ▼
6	<input type="checkbox"/>	172.16.66.36 ▼	20	<input type="checkbox"/>	172.16.66.50 ▼
7	<input type="checkbox"/>	172.16.66.37 ▼	21	<input type="checkbox"/>	-----NONE----- ▼
8	<input type="checkbox"/>	172.16.66.38 ▼	22	<input type="checkbox"/>	-----NONE----- ▼
9	<input type="checkbox"/>	172.16.66.39 ▼	23	<input type="checkbox"/>	-----NONE----- ▼
10	<input type="checkbox"/>	172.16.66.40 ▼	24	<input type="checkbox"/>	-----NONE----- ▼
11	<input type="checkbox"/>	172.16.66.41 ▼	25	<input type="checkbox"/>	172.16.66.15 ▼
12	<input type="checkbox"/>	172.16.66.42 ▼	26	<input type="checkbox"/>	-----NONE----- ▼
13	<input type="checkbox"/>	172.16.66.43 ▼	27	<input type="checkbox"/>	-----NONE----- ▼
14	<input type="checkbox"/>	172.16.66.44 ▼	28	<input type="checkbox"/>	-----NONE----- ▼

Apply

“網路管理專家”可以自動偵測網路線路鏈接方式，並顯示各網口連接設備的 IP。

對於不能自動偵測網路線路鏈接方式的設備，可用滑鼠點選 **Port Manual**，手動設定這個 Port 鏈接設備的 IP。

## Port status 設定網頁

Device IP : 172.16.66.1 Setting

Port	Interface	Admin	Link	AutoNego		Speed	Duplex	FlowControl	
				Support	Status			Ability	Status
1	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
2	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
3	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
4	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
5	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
6	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
7	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
8	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
9	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
10	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
11	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
12	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
13	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
14	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
15	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
16	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
17	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off
18	RJ45	Up ▾	Up	Yes	Enabled ▾	1G	Full	Enable	Off

滑鼠點選 Up 下拉選單可設定埠的開關(Up or Down)，選完再按 Set。

滑鼠點選 Enabled 下拉選單可設定埠 開啓或關閉自動協商(AutoNego Enabled or Disabled)，選完再按 Set。

## VLAN 設定網頁

Device IP : 172.16.66.1 Setting

Topology	Port status	Vlan	POE	POE Schedule	Monitor	Trap	Other
----------	-------------	------	-----	--------------	---------	------	-------

Port	PVID	Acceptable Frame Type	Ingress Filtering	Gvrp Status
1	1	All Frames ▼	Disabled ▼	Disabled ▼
2	1	All Frames ▼	Disabled ▼	Disabled ▼
3	1	All Frames ▼	Disabled ▼	Disabled ▼
4	1	All Frames ▼	Disabled ▼	Disabled ▼
5	1	All Frames ▼	Disabled ▼	Disabled ▼
6	1	All Frames ▼	Disabled ▼	Disabled ▼
7	1	All Frames ▼	Disabled ▼	Disabled ▼
8	1	All Frames ▼	Disabled ▼	Disabled ▼
9	1	All Frames ▼	Disabled ▼	Disabled ▼
10	1	All Frames ▼	Disabled ▼	Disabled ▼
11	1	All Frames ▼	Disabled ▼	Disabled ▼
12	1	All Frames ▼	Disabled ▼	Disabled ▼
13	1	All Frames ▼	Disabled ▼	Disabled ▼
14	1	All Frames ▼	Disabled ▼	Disabled ▼
15	1	All Frames ▼	Disabled ▼	Disabled ▼
16	1	All Frames ▼	Disabled ▼	Disabled ▼
17	1	All Frames ▼	Disabled ▼	Disabled ▼
18	1	All Frames ▼	Disabled ▼	Disabled ▼
19	1	All Frames ▼	Disabled ▼	Disabled ▼

滑鼠點選 下拉選單可設定埠 VLAN Interface 狀態，選完再按 Set。

## POE 設定網頁

Device IP : 172.16.66.1 Setting

Topology	Port status	Vlan	POE	POE Schedule	Monitor	Trap	Other
----------	-------------	------	-----	--------------	---------	------	-------

Port	Admin	Status	Mode	Priority
1	Enabled	▼	DeliveringPower	Low ▼
2	Enabled	▼	DeliveringPower	Low ▼
3	Enabled	▼	DeliveringPower	Low ▼
4	Enabled	▼	DeliveringPower	Low ▼
5	Enabled	▼	DeliveringPower	Low ▼
6	Enabled	▼	DeliveringPower	Low ▼
7	Enabled	▼	DeliveringPower	Low ▼
8	Enabled	▼	DeliveringPower	Low ▼
9	Enabled	▼	DeliveringPower	Low ▼
10	Enabled	▼	DeliveringPower	Low ▼
11	Enabled	▼	DeliveringPower	Low ▼
12	Enabled	▼	DeliveringPower	Low ▼
13	Enabled	▼	DeliveringPower	Low ▼
14	Enabled	▼	DeliveringPower	Low ▼
15	Enabled	▼	DeliveringPower	Low ▼
16	Enabled	▼	DeliveringPower	Low ▼
17	Enabled	▼	DeliveringPower	Low ▼
18	Enabled	▼	DeliveringPower	Low ▼
19	Enabled	▼	DeliveringPower	Low ▼

滑鼠點選下拉選單可設定埠 PoE Interface 狀態，選完再按 Set。

## POE Schedule 設定網頁

Device IP : 172.16.66.1 Setting

Topology Port status Vlan POE POE Schedule Monitor Trap Other

Port	Poe Schedule	Port	Poe Schedule
1	<input type="checkbox"/> ▼	15	<input type="checkbox"/> ▼
2	<input type="checkbox"/> ▼	16	<input type="checkbox"/> ▼
3	<input type="checkbox"/> ▼	17	<input type="checkbox"/> ▼
4	<input type="checkbox"/> ▼	18	<input type="checkbox"/> ▼
5	<input type="checkbox"/> ▼	19	<input type="checkbox"/> ▼
6	<input type="checkbox"/> ▼	20	<input type="checkbox"/> ▼
7	<input type="checkbox"/> ▼	21	<input type="checkbox"/> ▼
8	<input type="checkbox"/> ▼	22	<input type="checkbox"/> ▼
9	<input type="checkbox"/> ▼	23	<input type="checkbox"/> ▼
10	<input type="checkbox"/> ▼	24	<input type="checkbox"/> ▼
11	<input type="checkbox"/> ▼	25	<input type="checkbox"/> ▼
12	<input type="checkbox"/> ▼	26	<input type="checkbox"/> ▼
13	<input type="checkbox"/> ▼	27	<input type="checkbox"/> ▼
14	<input type="checkbox"/> ▼	28	<input type="checkbox"/> ▼

Apply

滑鼠點選 Port PoE Schedule 可設定埠 PoE 排程(Schedule)狀態，選完再按 Apply。



## Monitor 設定網頁

Device IP : 172.16.66.1 Setting

Topology	Port status	Vlan	POE	POE Schedule	Monitor	Trap	Other
<b>Port Monitored Port Monitored</b>							
1	<input type="checkbox"/>	15	<input type="checkbox"/>				
2	<input type="checkbox"/>	16	<input type="checkbox"/>				
3	<input type="checkbox"/>	17	<input type="checkbox"/>				
4	<input type="checkbox"/>	18	<input type="checkbox"/>				
5	<input type="checkbox"/>	19	<input type="checkbox"/>				
6	<input type="checkbox"/>	20	<input type="checkbox"/>				
7	<input type="checkbox"/>	21	<input type="checkbox"/>				
8	<input type="checkbox"/>	22	<input type="checkbox"/>				
9	<input type="checkbox"/>	23	<input type="checkbox"/>				
10	<input type="checkbox"/>	24	<input type="checkbox"/>				
11	<input type="checkbox"/>	25	<input type="checkbox"/>				
12	<input type="checkbox"/>	26	<input type="checkbox"/>				
13	<input type="checkbox"/>	27	<input type="checkbox"/>				
14	<input type="checkbox"/>	28	<input type="checkbox"/>				
<div>Apply</div>							

滑鼠點選 Port Monitored 可設定想要關注的網口狀態，選完再按 Apply 設定，當網口連線狀態改變時，“網路管理專家”會自動發 Email/SMS 通知管理者。

## Trap 設定網頁

Device IP : 172.16.66.1 Setting

Delete	IP Address	Version	Community	UDP Port
<input type="checkbox"/>	172.16.66.19	2	public	1162

滑鼠點選 Trap 可設定 SNMP Trap Server 狀態，可設定 SNMP Trap 要發送 Server IP、Version、Community String、UDP Port 選完再按 Apply 設定。

若要 Delete，點選欲刪除的 Server IP，選完再按 Delete 設定。

## Other 設定網頁

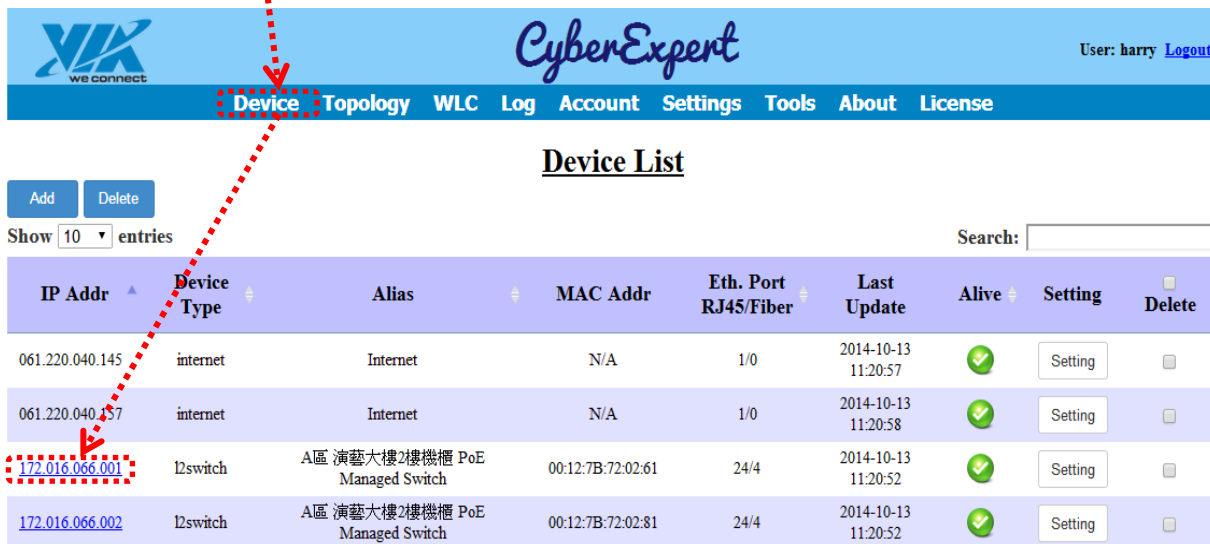
Device IP : 172.16.66.1 Setting

Alias setting:	Read Community:	Write Community:	Snmp Timeout:
A區 演藝大樓2樓機櫃 PoE Managed	public	private	2sec

使用者可設定網路設備別名、Read Community、Write Community、及 SNMP Timeout，設定完再按 Set

### 3-3. 網路設備總結網頁

滑鼠點選 **Device**，再點選 IP Addr 的 [172.16.66.1](#) 是進入該台網路設備總結網頁



The screenshot shows the CyberExpert web interface. The top navigation bar includes the logo, the name "CyberExpert", the user "User: harry", and a "Logout" link. Below the navigation bar is a menu with items: Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The "Device" menu item is highlighted with a red dashed box, and a red dashed arrow points from it to the "172.16.66.001" IP address in the table below.

**Device List**

Buttons: Add, Delete

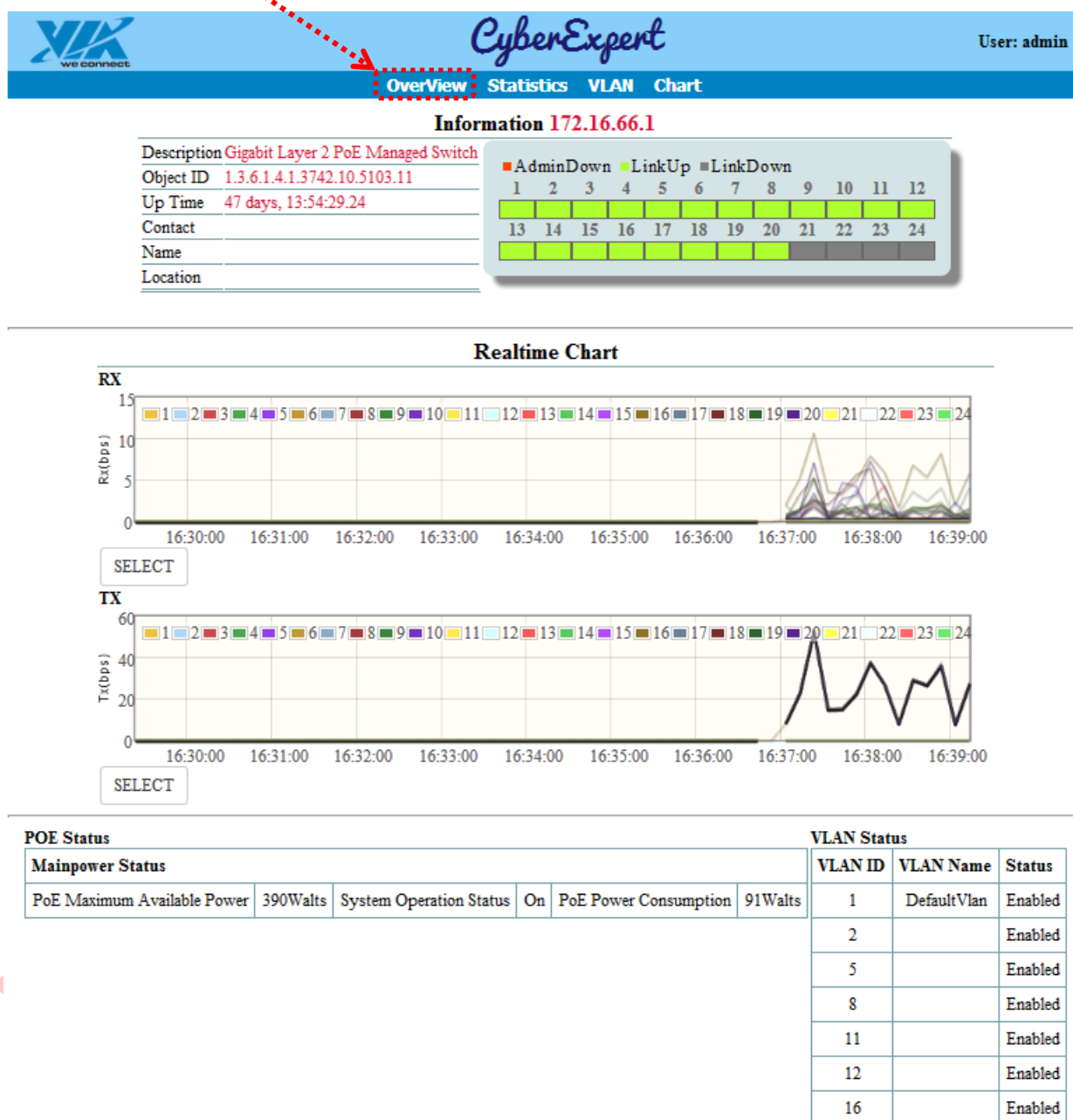
Show 10 entries

Search:

IP Addr	Device Type	Alias	MAC Addr	Eth. Port RJ45/Fiber	Last Update	Alive	Setting	Delete
061.220.040.145	internet	Internet	N/A	1/0	2014-10-13 11:20:57	✓	Setting	<input type="checkbox"/>
061.220.040.157	internet	Internet	N/A	1/0	2014-10-13 11:20:58	✓	Setting	<input type="checkbox"/>
<a href="#">172.16.66.001</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:61	24/4	2014-10-13 11:20:52	✓	Setting	<input type="checkbox"/>
<a href="#">172.16.66.002</a>	l2switch	A區 演藝大樓2樓機櫃 PoE Managed Switch	00:12:7B:72:02:81	24/4	2014-10-13 11:20:52	✓	Setting	<input type="checkbox"/>

### 3-3-1. Overview

滑鼠點選 Overview，是進入該台網路設備總結網頁



### 3-3-2. Statistics

滑鼠點選 **Statistics** 下的 **Port Statistic**，是進入該台網路設備中各個埠封包統計分析資料

Port Statistics														
Port	Received							Transmitted						
	Octets	Unicast Packets	Multicast Packets	Broadcast Packets	Discarded Packets	Unknown Packets	Errors	Octets	Unicast Packets	Multicast Packets	Broadcast Packets	Discarded Packets	Errors	
1	859776641	2123997	493416	11790	0	0	0	1601446988	3248811	111916622	4755652	0	0	
2	837151427	2450418	490403	10575	0	0	0	2536647599	3846905	111909681	4756650	0	0	
3	1999857030	9936779	507164	80334	0	0	0	59260218	20030504	111910707	4687092	0	0	
4	3115288282	16309472	502042	118782	0	0	0	3304419529	31764794	111903457	4648556	0	0	
5	1385934140	5909789	495257	39314	0	0	0	4255035257	10976759	111915721	4728243	0	0	
6	1560307986	7093627	494982	36516	0	0	0	343232115	14095876	111911254	4730959	0	0	
7	558138673	618160	491269	5440	0	0	0	1867876216	434237	111777318	3469424	0	0	
8	378920146	642110	490892	1967	0	0	0	1840565797	424723	111773054	3472856	0	0	
9	514092587	781078	490159	6730	0	0	0	2359651779	810609	111243657	3448671	0	0	
10	420524849	951246	488888	3057	0	0	0	2843400258	1137936	111243358	3452251	0	0	
11	418949291	603380	488869	1988	0	0	0	1794462905	420488	111246730	3453541	0	0	
12	481603459	621894	488701	2262	0	0	0	1889976688	490367	111242552	3453202	0	0	
13	503847493	865534	486772	2792	0	0	0	2701606814	1048703	111103556	3476679	0	0	
14	603009894	570400	487075	1131	0	0	0	1705063335	365854	111087455	3477827	0	0	
15	512651572	562767	487114	1398	0	0	0	1706861943	359174	111109069	3478153	0	0	
16	584105633	555268	486931	769	0	0	0	1706148359	356187	111108342	3478773	0	0	
17	577619120	1135394	485024	45898	0	0	0	2385884293	1037607	110316947	3378863	0	0	
18	972016328	1306561	482702	9985	0	0	0	2456671270	1146969	110317946	3414708	0	0	
19	624330103	897213	461467	113425	0	0	0	2335239457	962055	109987321	3238250	0	0	
20	476235871	1126006	455350	14047	0	0	0	2726935164	1148308	109993335	3337593	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	1008089837	94061687	102377516	4707244	0	0	0	2528924353	55121884	10075120	508188	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	
Refresh	<input type="checkbox"/> Auto Refresh													

滑鼠把 **Auto Refresh** 打勾，是每隔 30 秒自動更新網路設備 封包統計分析資料

滑鼠點選 **Refresh**，是強制更新網路設備封包統計分析資料

滑鼠點選 **Statistics** 下的 **EtherLike Statistic**，是進入該台網路設備中各個埠的封包錯誤統計分析資料

The screenshot shows the CyberExpert web interface. The top navigation bar includes 'Overview', 'Statistics', 'VLAN', and 'Chart'. The 'Statistics' tab is selected. A dropdown menu is open, showing 'Port Statistic', 'EtherLike Statistic' (highlighted with a red dotted arrow), and 'Rmon Statistic'. Below the dropdown, a table shows the status of 24 ports, with ports 1 through 24 all showing 'Up' status.

EtherLike Statistics																	
Port	Align.	FCS Errors	Symbol Errors	Errors				Carrier Sense Errors	Frame Too Longs	Single Collision Frames	Frames	Collisions				Deferred Trans.	
				SQE Test Errors	Internal Receive Errors	Mac Transmit Errors	Multiple Collision Frames				In Pause Frames	Out Pause Frames	Late Collisions	Excessive Collisions			
1	0	0	0	0	0	0	0	0	0	0	0	6595666	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	5668486	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	16804284	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	23069994	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	12834682	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	14524910	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	6815088	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	3957430	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	5932848	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	4315440	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	4679404	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	5645585	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	5554524	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	7607194	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	6207148	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	7338636	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	4436784	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	6374294	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	7112110	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	4875468	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Refresh <input type="checkbox"/> Auto Refresh <input type="checkbox"/>																	

Refresh ☐ Auto Refresh

滑鼠把 **Auto Refresh** 打勾，是每隔 30 秒自動更新網路設備封包統計分析資料

滑鼠點選 **Refresh**，是強制更新網路設備封包統計分析資料

滑鼠點選 **Statistics** 下的 **Rmon Statistic**，是進入該台網路設備中各個埠的各種長度封包統計分析資料

### RMON Statistics

Port	Packets									
	Received Pkts	Undersize Pkts	Oversize Pkts	64 Pkts	65to127 Pkts	128to255 Pkts	256to511 Pkts	512to1023 Pkts	1024to1518 Pkts	
1	9224993	0	2949	7990072	716738	301707	12386	98336	102805	
2	8620098	0	539	7285141	804041	291866	17201	111200	110110	
3	27328966	0	2868	23726505	2960702	376734	144840	66555	50762	
4	40000663	0	6271	33160777	5886880	397944	217110	106778	224903	
5	19279906	0	6000	16999997	1848261	306643	54012	39995	24998	
6	22151515	0	4129	19195728	2548652	291014	58065	37609	16318	
7	7930079	0	120	7153539	484283	290211	1489	379	58	
8	5092520	0	164	4275032	512685	300091	3814	525	209	
9	7210935	0	438	6410973	508151	286192	2809	1864	508	
10	5759209	0	29	4942642	522390	290081	2456	1152	459	
11	5773759	0	32	5007327	479593	284946	1424	392	45	
12	6758623	0	55	5986991	486857	283458	834	338	90	
13	6909801	0	81	6014327	596794	283499	5292	4137	5671	
14	8666220	0	0	7914564	466888	283944	815	9	0	
15	7258851	0	0	6509422	467041	281535	836	15	2	
16	8382019	0	0	7636998	465228	279121	666	6	0	
17	6103546	0	3541	4933709	715393	304454	33992	54457	58000	
18	8174506	0	701	6904789	571044	297914	17036	191452	191570	
19	8584488	0	646	7699993	561477	292734	10470	6789	12379	
20	6471084	0	625	5501678	606534	351988	6236	3138	885	
21	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	
25	201157129	0	74349757	3994791	113228227	934428	563521	1956551	6129854	
26	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	


☒ Auto Refresh

滑鼠把 **Auto Refresh** 打勾，是每隔 30 秒自動更新網路設備封包統計分析資料

滑鼠點選 **Refresh**，是強制更新網路設備封包統計分析資料

### 3-3-3. VLAN

滑鼠點選 VLAN，是進入該台網路設備的 VLAN 所有資料，分為靜態虛擬網路列表(Static VLAN List)和即時虛擬網路列表(Current VLAN List)



CyberExpert

User: admin

OverviewStatisticsVLANChart

Information 172.16.66.1

DescriptionGigabit Layer 2 PoE Managed Switch

Object ID1.3.6.1.4.1.3742.10.5103.11

Up Time47 days, 14:19:55.22

Contact

Name

Location

AdminDownLinkUpLinkDown

123456789101112

131415161718192021222324

PVID List

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28
PVID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Static VLAN List

VID	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28
1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2	T	T	T	T	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	T	N	N	N
5	N	N	N	N	N	N	T	T	T	T	T	T	N	N	N	N	N	N	N	N	N	N	N	N	T	N	N	N
8	N	N	N	N	N	N	N	N	N	N	N	N	T	T	T	T	N	N	N	N	N	N	N	N	T	N	N	N
11	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	N	N	N	N	N	T	N	N	N
12	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	T	T	N	N	N	N	N	N	T	N	N	N
16	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	N	N	N	N	N	T	N	N	N

Current VLAN List

VID	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27	P28
1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2	T	T	T	T	T	T	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	T	N	N	N
5	N	N	N	N	N	N	T	T	T	T	T	T	N	N	N	N	N	N	N	N	N	N	N	N	T	N	N	N
8	N	N	N	N	N	N	N	N	N	N	N	N	T	T	T	T	N	N	N	N	N	N	N	N	T	N	N	N
11	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	N	N	N	N	N	T	N	N	N
12	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	T	T	N	N	N	N	N	N	T	N	N	N
16	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	N	N	N	N	N	T	N	N	N

Refresh

☐ Auto Refresh

U:Un Aged T:Tagged F:Forbidden N:None

滑鼠把 Auto Refresh 打勾，是每隔 30 秒自動更新網路設備 封包統計分析資料

滑鼠點選 Refresh，是強制更新網路設備封包統計分析資料



### 3-3-4. Chart

滑鼠點選 **Chart**，是進入該台網路設備的圖型分析資料，分為即時資料圖型和歷史資料圖型

**CyberExpert** User: admin

Overview Statistics VLAN **Chart**

**Information 172.16.66.1**

Description	Gigabit Layer 2 PoE Managed Switch
Object ID	1.3.6.1.4.1.3742.10.5103.11
Up Time	47 days, 14:23:29.80
Contact	
Name	
Location	

Legend: AdminDown (red square), LinkUp (green square), LinkDown (grey square)

1	2	3	4	5	6	7	8	9	10	11	12
LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp
13	14	15	16	17	18	19	20	21	22	23	24
LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp	LinkUp

**RealTime Chart Select**

Chart Type Port: 1

Rx Unicast, Multicast and Broadcast Show

Rx Tx Data Rate (kbps) Show

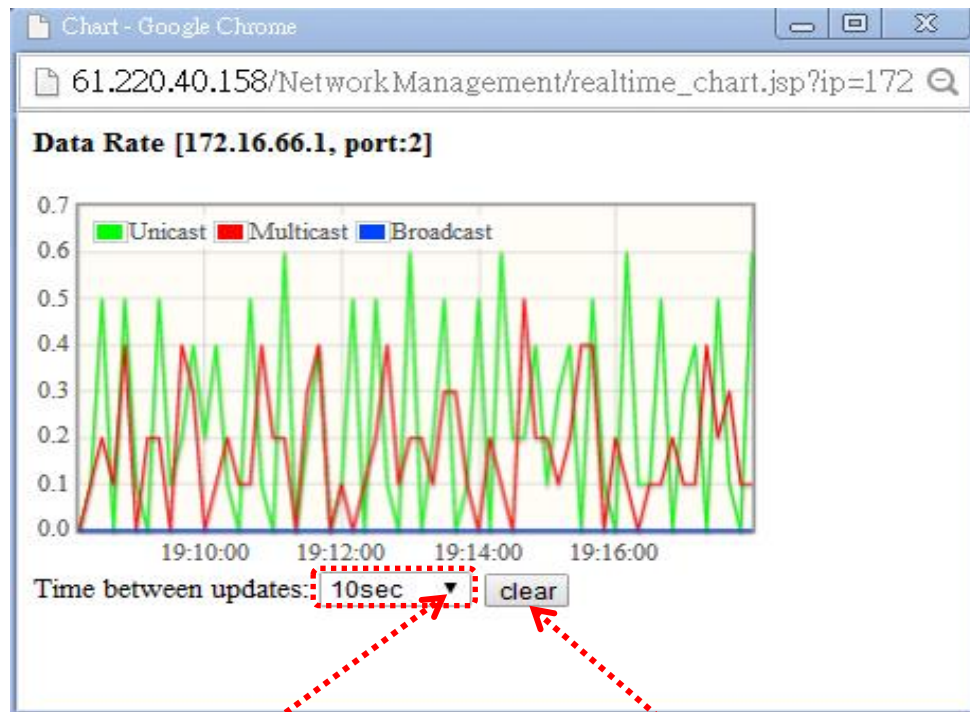
**History Chart Select**

Chart Type Port: 1

Rx Tx Data Rate (bps) Show

滑鼠點選下拉選單先選欲觀看的埠，選完再選種類按 **Show**

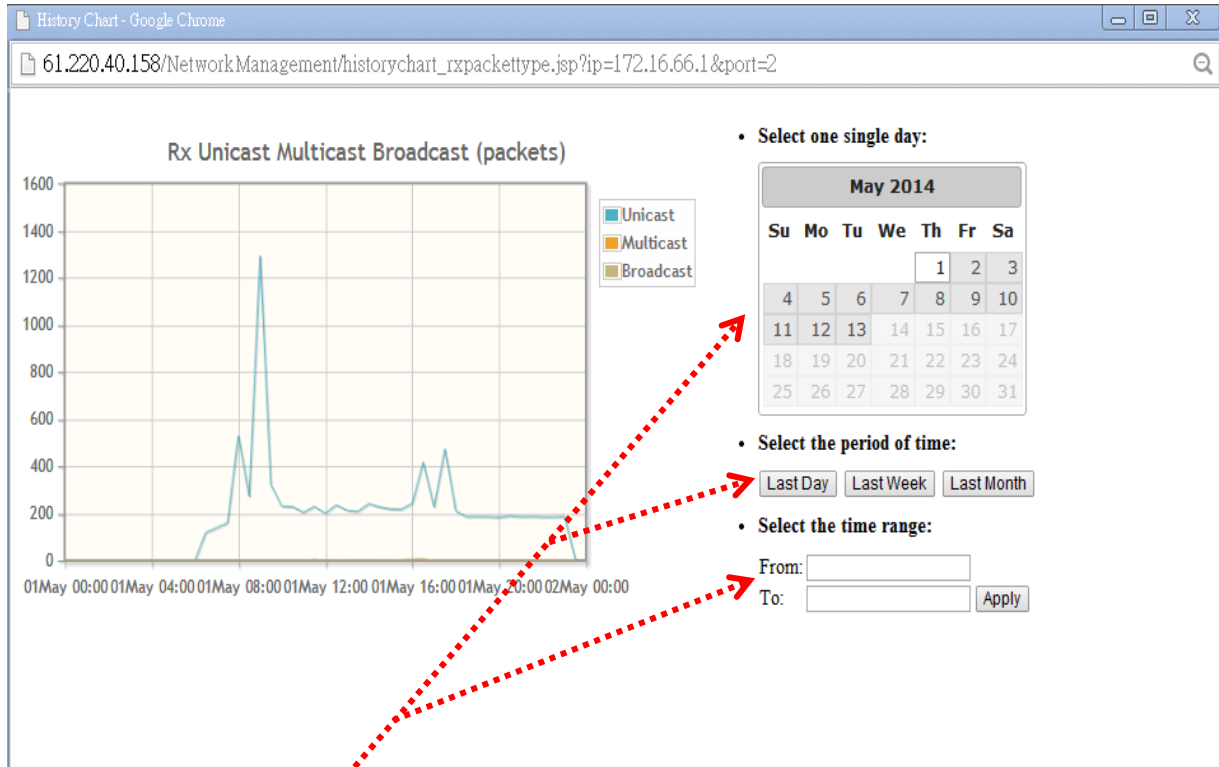
## 即時資料圖型



滑鼠點選下拉選單可選欲觀看  
的時間間隔，選完直接更新。  
時間間隔有:10sec、20sec、  
30sec、45sec、1minute、  
2minute。

滑鼠點選 **clear**，可清除即時資  
料圖型。

## 歷史資料圖型



滑鼠可直接點選日期，也可點選>Last Day、Last Week、Last Month，也可完直接設定時間間隔。

## 4. “網路管理專家”網路拓譜圖

滑鼠點選 **Topology**，”網路管理專家”能支援威盛的網路設備去自動畫出網路拓譜圖，不再需要透過人工查線，一旦更改網路設備或插入新設備也能立即製作新的網路拓譜圖。

**Topology**

Choose top device: 172.16.66.15 Choose display type: IP (Name) Apply Refresh

(1)

- 172.16.66.15 (ECS4610-24F)
  - 1 192.168.1.1 (ZyWALL USG 1000)
  - 2 \* 172.16.66.14 (VIA Wireless Controller VNT5801)
  - 4 \* 172.16.66.17 (Linux CacheBoxsrv 2.6.32-431.23.3.el6.x86\_64 #1 SMP Thu Jul 31 17:20:51 UTC 2014 x86\_64)
  - 7 2 172.016.066.019 (VIA NetExpert VNT5601)
  - 11 25 172.16.66.1 (A區 演藝大樓2F機櫃 PoE Switch)
  - 12 25 172.16.66.2 (A區 演藝大樓2F機櫃 PoE Switch)
  - 13 25 172.16.66.3 (A區 演藝大樓2F機櫃 PoE Switch)
  - 14 25 172.16.66.4 (B區 自強大樓3F儲藏室 PoE Switch)
  - 15 25 172.16.66.5 (B區 自強大樓3F儲藏室 PoE Switch)
  - 16 25 172.16.66.6 (B區 自強大樓3F儲藏室 PoE Switch)
  - 17 25 172.16.66.7 (C區 美容大樓4F主控室 PoE Switch)
  - 18 25 172.16.66.8 (C區 美容大樓4F主控室 PoE Switch)
  - 19 25 172.16.66.9 (C區 美容大樓4F主控室 PoE Switch)
  - 20 25 172.16.66.10 (D區 中正大樓4F餐二純儲藏室 PoE Switch)
  - 21 25 172.16.66.11 (D區 中正大樓4F餐二純儲藏室 PoE Switch)
  - 22 25 172.16.66.12 (E區 中正大樓3F職訓教室儲藏室 PoE Switch)
  - 23 25 172.16.66.13 (E區 中正大樓3F職訓教室儲藏室 PoE Switch)

(2)

- 172.16.67.36 (VIA Access Point VNT5901)

Trace Path

From					To				
Type	IP Addr	Port	History	Real-time	Type	IP	Port	History	Real-time

可任意選擇設定最上層顯示的網路設備，及可以標明網路設備的方式(有 IP only、Name only、IP 先 Name 後、Name 先 IP 後)，設定完按 **Apply**”網路管理專家”能立即製作新的網路拓譜圖。

“網路管理專家”可診斷網路設備之間的流量，滑鼠先點選要檢測的兩個網路設備，接下來滑鼠再點選 **Trace Path**，”網路管理專家”自動畫出網路設備的經過路徑，再分析其即時資料和歷史資料圖，即可找出流量問題。

**Topology**

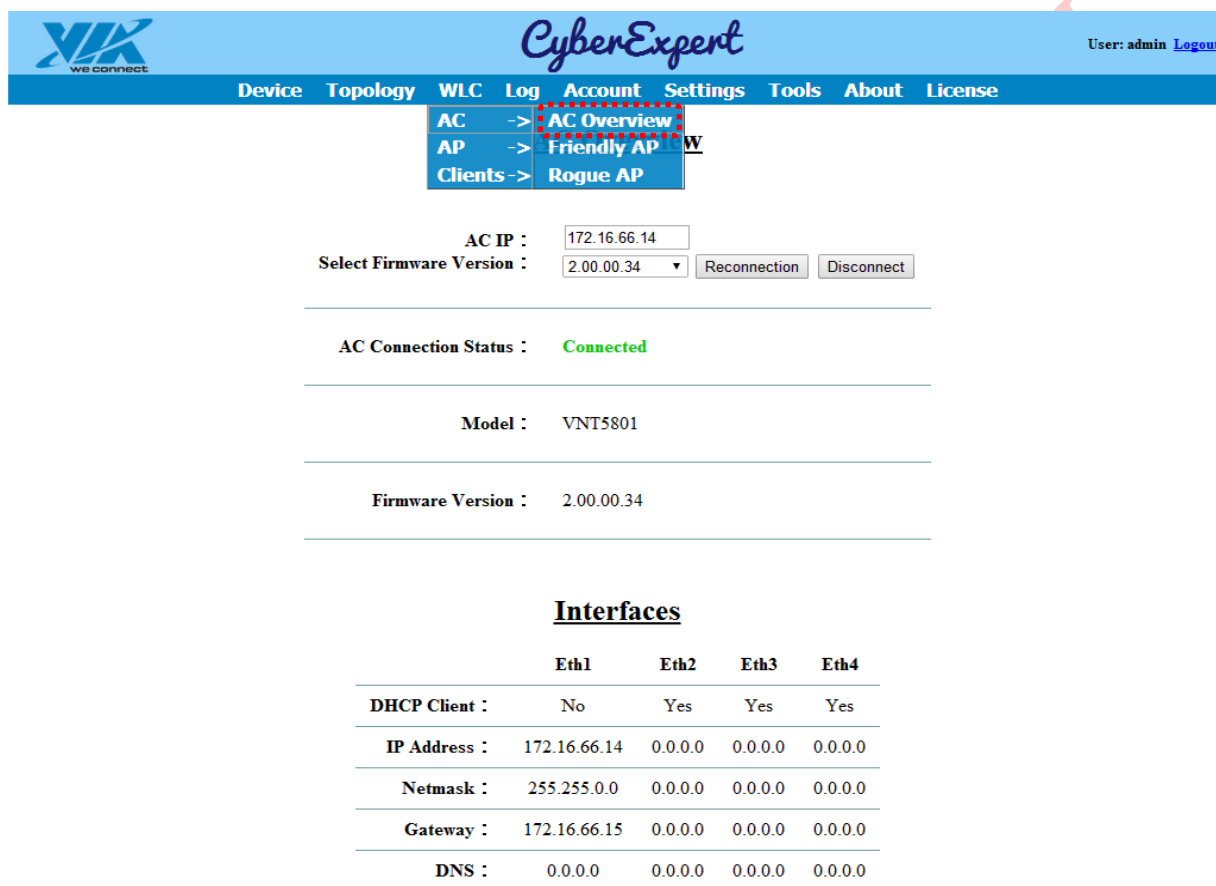
Choose top device: not specified Choose display type: IP (Name) Apply

From					To				
Type	IP Addr	Port	History	Real-time	Type	IP	Port	History	Real-time
172.16.66.2	25	9			=>	172.16.66.15	12	9	
172.16.66.15	16	9			=>	172.16.66.6	25	9	

## 5. “網路管理專家”無線控制器

### 5-1. AC

滑鼠點選 AC Overview，”網路管理專家”能顯示威盛的無線網路控制器總覽。



**CyberExpert** User: admin [Logout](#)

Device Topology WLC Log Account Settings Tools About License

AC -> **AC Overview**  
AP -> Friendly AP  
Clients -> Rogue AP

AC IP : 172.16.66.14  
Select Firmware Version : 2.00.00.34 [Reconnection](#) [Disconnect](#)

AC Connection Status : **Connected**

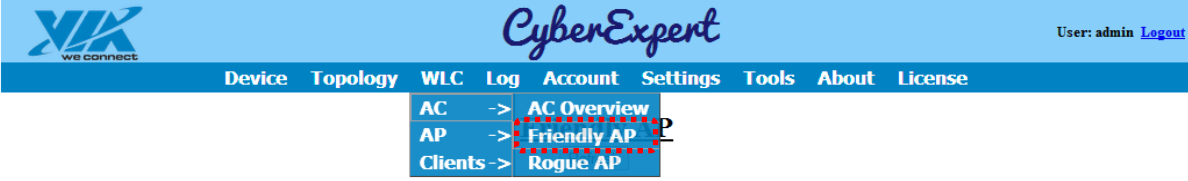
Model : VNT5801

Firmware Version : 2.00.00.34

**Interfaces**

	Eth1	Eth2	Eth3	Eth4
DHCP Client :	No	Yes	Yes	Yes
IP Address :	172.16.66.14	0.0.0.0	0.0.0.0	0.0.0.0
Netmask :	255.255.0.0	0.0.0.0	0.0.0.0	0.0.0.0
Gateway :	172.16.66.15	0.0.0.0	0.0.0.0	0.0.0.0
DNS :	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0

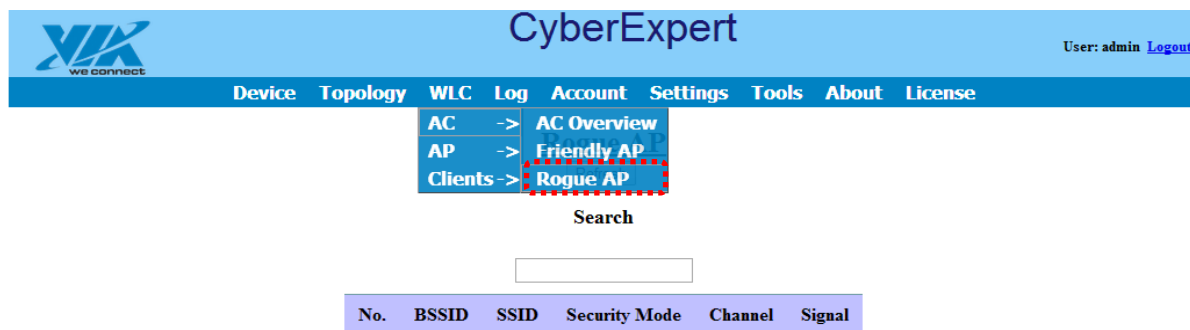
滑鼠點選 Friendly AP，”網路管理專家”能顯示現在網路所有合法無線 AP。



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The 'Account' dropdown menu is open, showing options for AC Overview, Friendly AP (highlighted with a red dashed box), and Rogue AP. Below the navigation bar is a search bar and a table listing 16 wireless APs.

No.	BSSID	SSID	Security Mode
1	00:40:63:11:B9:E0	Student	none
2	00:40:63:11:B9:E1	Teacher	none
3	00:40:63:11:B9:E2	GUEST	WPA2 802.1X(TKIP,CCMP)
4	00:40:63:11:B9:08	GUEST	WPA2 802.1X(TKIP,CCMP)
5	00:40:63:11:BF:F0	Student	none
6	00:40:63:11:BF:F1	Teacher	none
7	00:40:63:11:BF:F2	GUEST	WPA2 802.1X(TKIP,CCMP)
8	00:40:63:11:BF:08	GUEST	WPA2 802.1X(TKIP,CCMP)
9	00:40:63:11:BC:30	Student	none
10	00:40:63:11:BC:31	Teacher	none
11	00:40:63:11:BC:32	GUEST	WPA2 802.1X(TKIP,CCMP)
12	00:40:63:11:BC:08	GUEST	WPA2 802.1X(TKIP,CCMP)
13	00:40:63:11:B6:70	Student	none
14	00:40:63:11:B6:71	Teacher	none
15	00:40:63:11:B6:72	GUEST	WPA2 802.1X(TKIP,CCMP)
16	00:40:63:11:B6:08	GUEST	WPA2 802.1X(TKIP,CCMP)

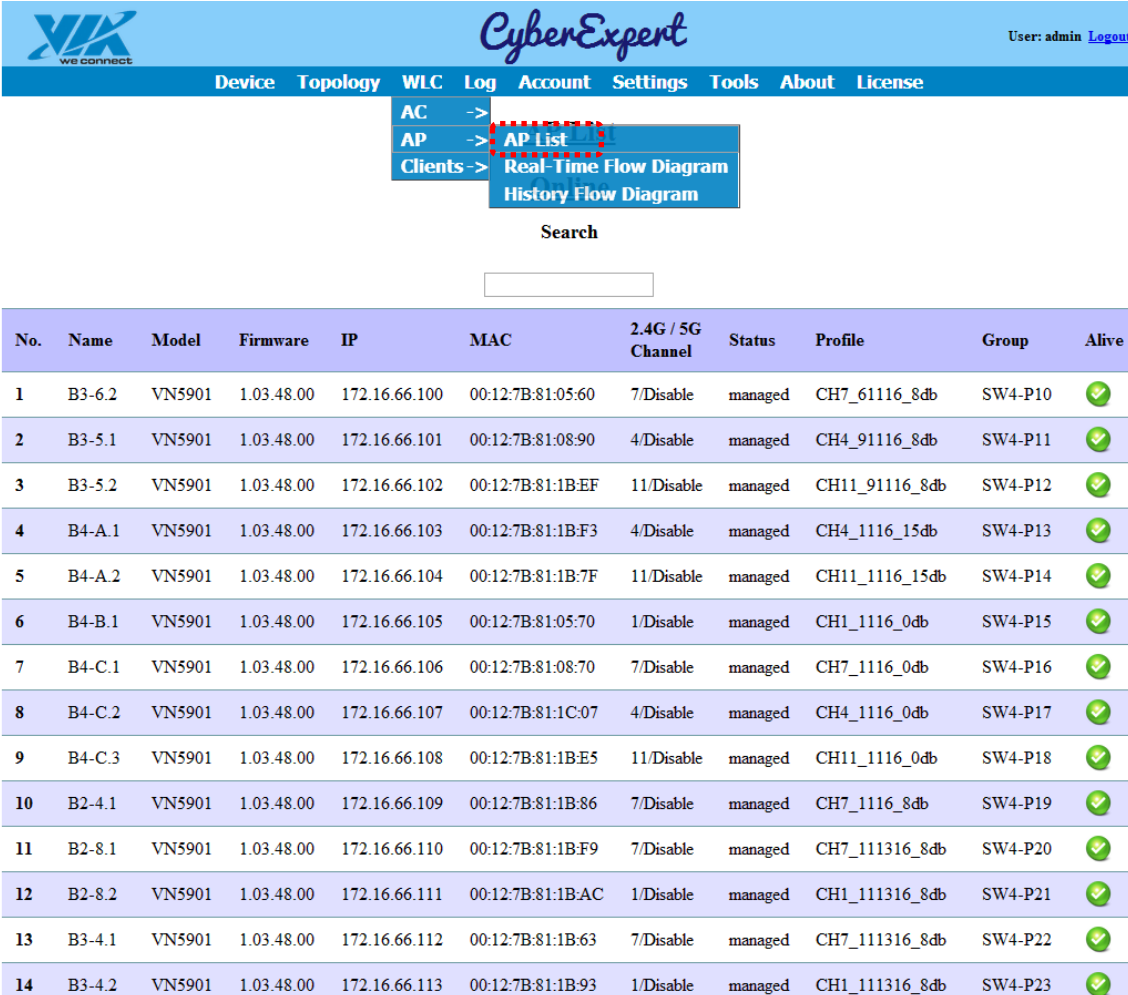
滑鼠點選 Rogue AP，”網路管理專家”能顯示現在網路所有非法無線 AP。





## 5-2. AP

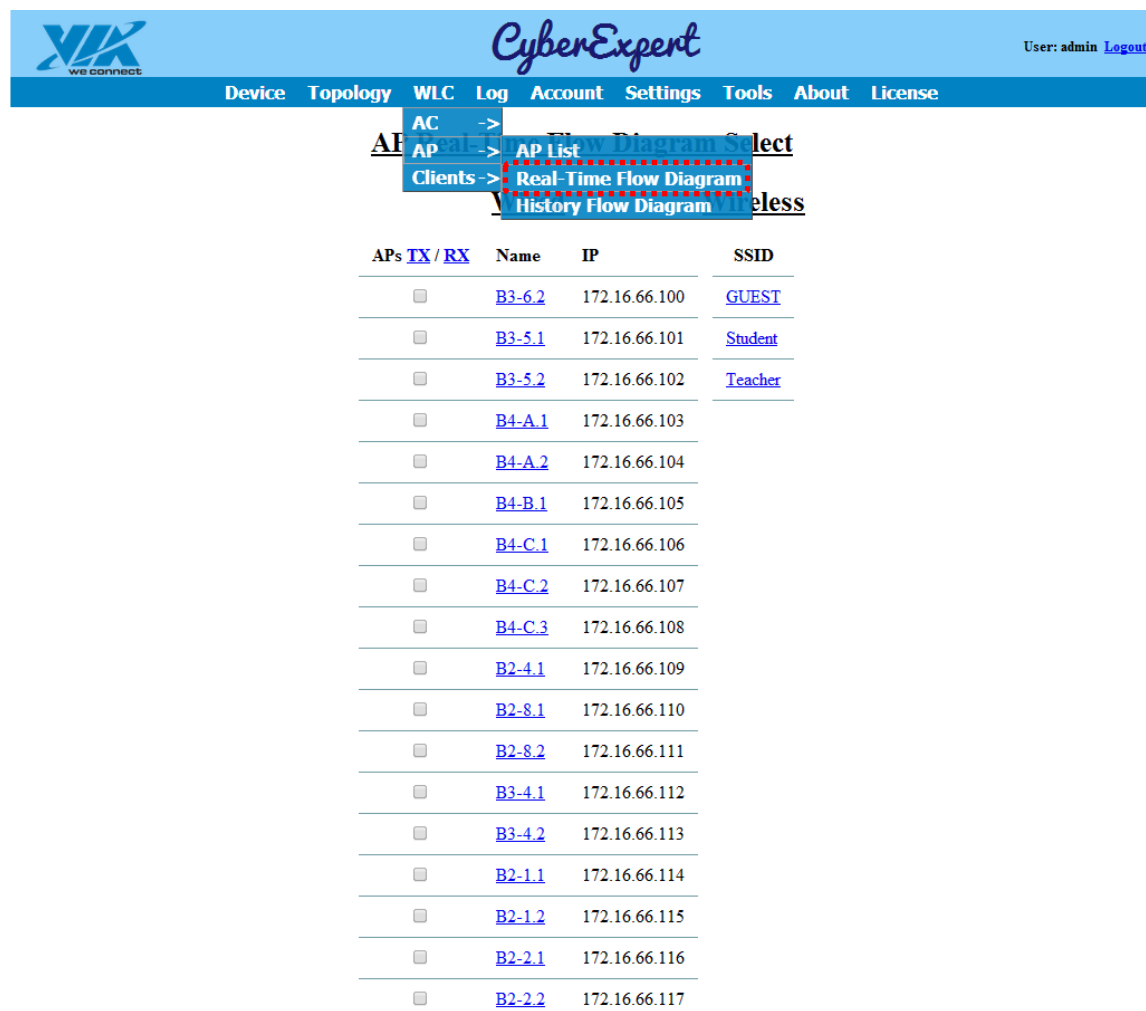
滑鼠點選 AP List，”網路管理專家”能顯示現在網路所有連線及離線的無線 AP 總覽。



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The WLC menu is expanded, showing options for AC, AP, and Clients. The AP List option is highlighted with a red dashed box. Below the menu, there is a search bar and a table of wireless APs.

No.	Name	Model	Firmware	IP	MAC	2.4G / 5G Channel	Status	Profile	Group	Alive
1	B3-6.2	VN5901	1.03.48.00	172.16.66.100	00:12:7B:81:05:60	7/Disable	managed	CH7_61116_8db	SW4-P10	✓
2	B3-5.1	VN5901	1.03.48.00	172.16.66.101	00:12:7B:81:08:90	4/Disable	managed	CH4_91116_8db	SW4-P11	✓
3	B3-5.2	VN5901	1.03.48.00	172.16.66.102	00:12:7B:81:1B:EF	11/Disable	managed	CH11_91116_8db	SW4-P12	✓
4	B4-A.1	VN5901	1.03.48.00	172.16.66.103	00:12:7B:81:1B:F3	4/Disable	managed	CH4_1116_15db	SW4-P13	✓
5	B4-A.2	VN5901	1.03.48.00	172.16.66.104	00:12:7B:81:1B:7F	11/Disable	managed	CH11_1116_15db	SW4-P14	✓
6	B4-B.1	VN5901	1.03.48.00	172.16.66.105	00:12:7B:81:05:70	1/Disable	managed	CH1_1116_0db	SW4-P15	✓
7	B4-C.1	VN5901	1.03.48.00	172.16.66.106	00:12:7B:81:08:70	7/Disable	managed	CH7_1116_0db	SW4-P16	✓
8	B4-C.2	VN5901	1.03.48.00	172.16.66.107	00:12:7B:81:1C:07	4/Disable	managed	CH4_1116_0db	SW4-P17	✓
9	B4-C.3	VN5901	1.03.48.00	172.16.66.108	00:12:7B:81:1B:E5	11/Disable	managed	CH11_1116_0db	SW4-P18	✓
10	B2-4.1	VN5901	1.03.48.00	172.16.66.109	00:12:7B:81:1B:86	7/Disable	managed	CH7_1116_8db	SW4-P19	✓
11	B2-8.1	VN5901	1.03.48.00	172.16.66.110	00:12:7B:81:1B:F9	7/Disable	managed	CH7_111316_8db	SW4-P20	✓
12	B2-8.2	VN5901	1.03.48.00	172.16.66.111	00:12:7B:81:1B:AC	1/Disable	managed	CH1_111316_8db	SW4-P21	✓
13	B3-4.1	VN5901	1.03.48.00	172.16.66.112	00:12:7B:81:1B:63	7/Disable	managed	CH7_111316_8db	SW4-P22	✓
14	B3-4.2	VN5901	1.03.48.00	172.16.66.113	00:12:7B:81:1B:93	1/Disable	managed	CH1_111316_8db	SW4-P23	✓

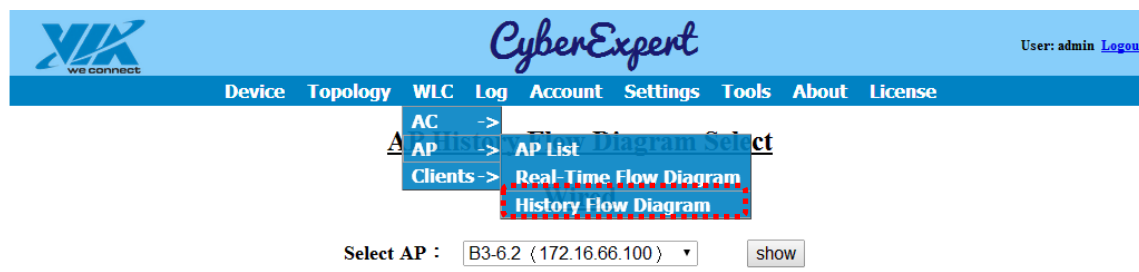
滑鼠點選 Real-Time Flow Diagram，「網路管理專家」能顯示現在網路所有連線的無線 AP 即時資料圖型。



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The 'WLC' menu is expanded, showing options for AC, AP, Clients, and Real-Time Flow Diagram. The 'Real-Time Flow Diagram' option is highlighted. Below the menu, a table lists the wireless APs with columns for APs TX/RX, Name, IP, and SSID.

APs TX/RX	Name	IP	SSID
<input type="checkbox"/>	<a href="#">B3-6.2</a>	172.16.66.100	<a href="#">GUEST</a>
<input type="checkbox"/>	<a href="#">B3-5.1</a>	172.16.66.101	<a href="#">Student</a>
<input type="checkbox"/>	<a href="#">B3-5.2</a>	172.16.66.102	<a href="#">Teacher</a>
<input type="checkbox"/>	<a href="#">B4-A.1</a>	172.16.66.103	
<input type="checkbox"/>	<a href="#">B4-A.2</a>	172.16.66.104	
<input type="checkbox"/>	<a href="#">B4-B.1</a>	172.16.66.105	
<input type="checkbox"/>	<a href="#">B4-C.1</a>	172.16.66.106	
<input type="checkbox"/>	<a href="#">B4-C.2</a>	172.16.66.107	
<input type="checkbox"/>	<a href="#">B4-C.3</a>	172.16.66.108	
<input type="checkbox"/>	<a href="#">B2-4.1</a>	172.16.66.109	
<input type="checkbox"/>	<a href="#">B2-8.1</a>	172.16.66.110	
<input type="checkbox"/>	<a href="#">B2-8.2</a>	172.16.66.111	
<input type="checkbox"/>	<a href="#">B3-4.1</a>	172.16.66.112	
<input type="checkbox"/>	<a href="#">B3-4.2</a>	172.16.66.113	
<input type="checkbox"/>	<a href="#">B2-1.1</a>	172.16.66.114	
<input type="checkbox"/>	<a href="#">B2-1.2</a>	172.16.66.115	
<input type="checkbox"/>	<a href="#">B2-2.1</a>	172.16.66.116	
<input type="checkbox"/>	<a href="#">B2-2.2</a>	172.16.66.117	

滑鼠點選 History Flow Diagram，「網路管理專家」能顯示現在網路所有連線的無線 AP 歷史資料圖型。



## Wireless

SSID

[Student](#)

[Teacher](#)

[GUEST](#)

[QRcode](#)

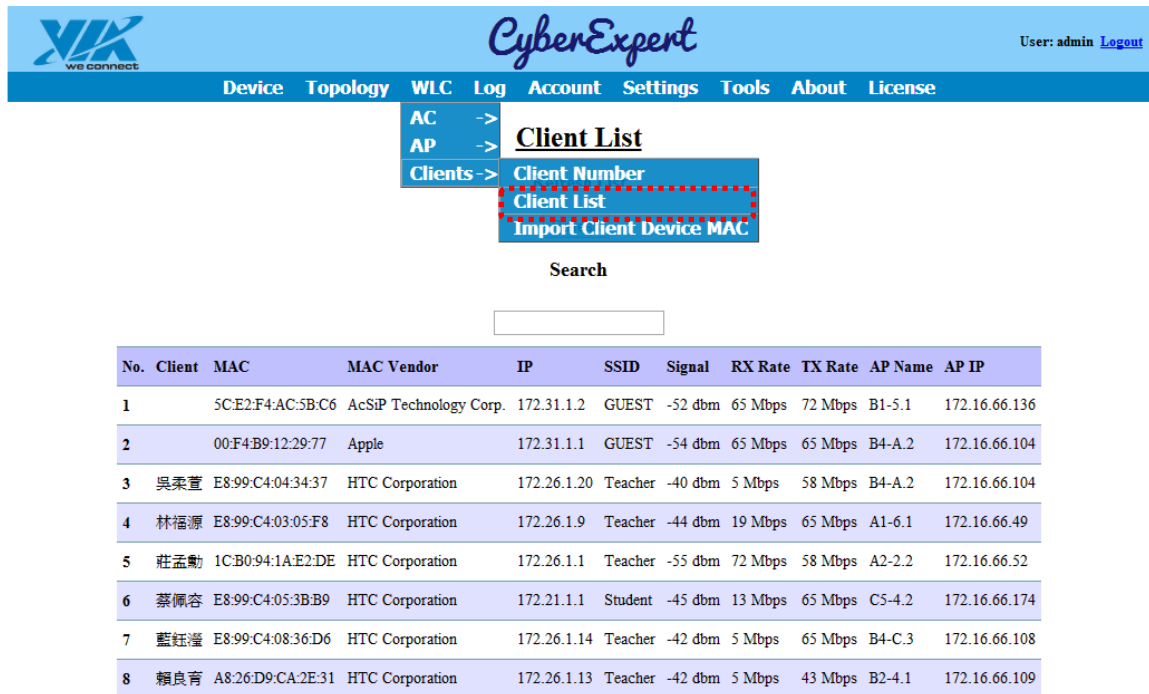
### 5-3. Clients

滑鼠點選 Client Number，「網路管理專家」能顯示現在網路所有連線的 2.4G 和 5G 頻帶的無線使用者數目。

The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The 'Clients' menu is expanded, showing options for AC, AP, and Clients. The 'Clients' option is selected, leading to a 'Real-Time' view. A red dashed box highlights the 'Client Number' link in the 'Clients' menu. Below the menu, there are two tables labeled 'Wireless Clients'.

802.11an & bgn(2.4GHz & 5GHz)	Total
	802.11an(5GHz)
	802.11bgn(2.4GHz)
	802.11an & bgn(2.4GHz & 5GHz)

滑鼠點選 Client List，「網路管理專家」能顯示現在網路所有連線的 2.4G 和 5G 頻帶的無線使用者列表。



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The WLC menu is expanded, showing options for AC, AP, and Clients. The Clients menu is further expanded, showing Client Number, Client List (highlighted with a red dashed box), and Import Client Device MAC. Below the menu is a Search bar. The main content area displays a table of connected clients.

No.	Client	MAC	MAC Vendor	IP	SSID	Signal	RX Rate	TX Rate	AP Name	AP IP
1		5C:E2:F4:AC:5B:C6	AcSiP Technology Corp.	172.31.1.2	GUEST	-52 dbm	65 Mbps	72 Mbps	B1-5.1	172.16.66.136
2		00:F4:B9:12:29:77	Apple	172.31.1.1	GUEST	-54 dbm	65 Mbps	65 Mbps	B4-A.2	172.16.66.104
3	吳柔萱	E8:99:C4:04:34:37	HTC Corporation	172.26.1.20	Teacher	-40 dbm	5 Mbps	58 Mbps	B4-A.2	172.16.66.104
4	林福源	E8:99:C4:03:05:F8	HTC Corporation	172.26.1.9	Teacher	-44 dbm	19 Mbps	65 Mbps	A1-6.1	172.16.66.49
5	莊孟勳	1C:B0:94:1A:E2:DE	HTC Corporation	172.26.1.1	Teacher	-55 dbm	72 Mbps	58 Mbps	A2-2.2	172.16.66.52
6	蔡偉容	E8:99:C4:05:3B:B9	HTC Corporation	172.21.1.1	Student	-45 dbm	13 Mbps	65 Mbps	C5-4.2	172.16.66.174
7	藍鈺瀟	E8:99:C4:08:36:D6	HTC Corporation	172.26.1.14	Teacher	-42 dbm	5 Mbps	65 Mbps	B4-C.3	172.16.66.108
8	賴良育	A8:26:D9:CA:2E:31	HTC Corporation	172.26.1.13	Teacher	-42 dbm	5 Mbps	43 Mbps	B2-4.1	172.16.66.109

滑鼠點選 Import Client Device MAC，「網路管理專家」能匯入網路所有無線使用者名稱及其 Device MAC Address。

Client Device MAC

Select Client Device MAC file (Client Device MAC file upload) 選擇檔案 未選擇檔案

Search

No.	Client	Device MAC
1	于佳郡	1C:B0:94:1A:E2:81
2	于紹庭	E8:99:C4:04:60:55
3	何咏龍	A8:26:D9:C7:AB:AC
4	何家順	E8:99:C4:02:2E:04
5	何恭霆	E8:99:C4:02:C6:0E
6	何政霖	E8:99:C4:02:E8:6A
7	何沂健	E8:99:C4:08:46:25
8	何沛涵	D4:20:6D:7A:73:99
9	余佳家	E8:99:C4:02:F7:5F
10	余文鈺	E8:99:C4:04:0A:16
11	余旻璇	E8:99:C4:07:AA:35
12	余柏陞	E8:99:C4:08:3C:92
13	余浩德	A8:26:D9:CF:93:79
14	余紀壹	E8:99:C4:05:1A:B2
15	余芷萱	E8:99:C4:05:25:3B

## 6. “網路管理專家”狀態呈報日誌紀錄

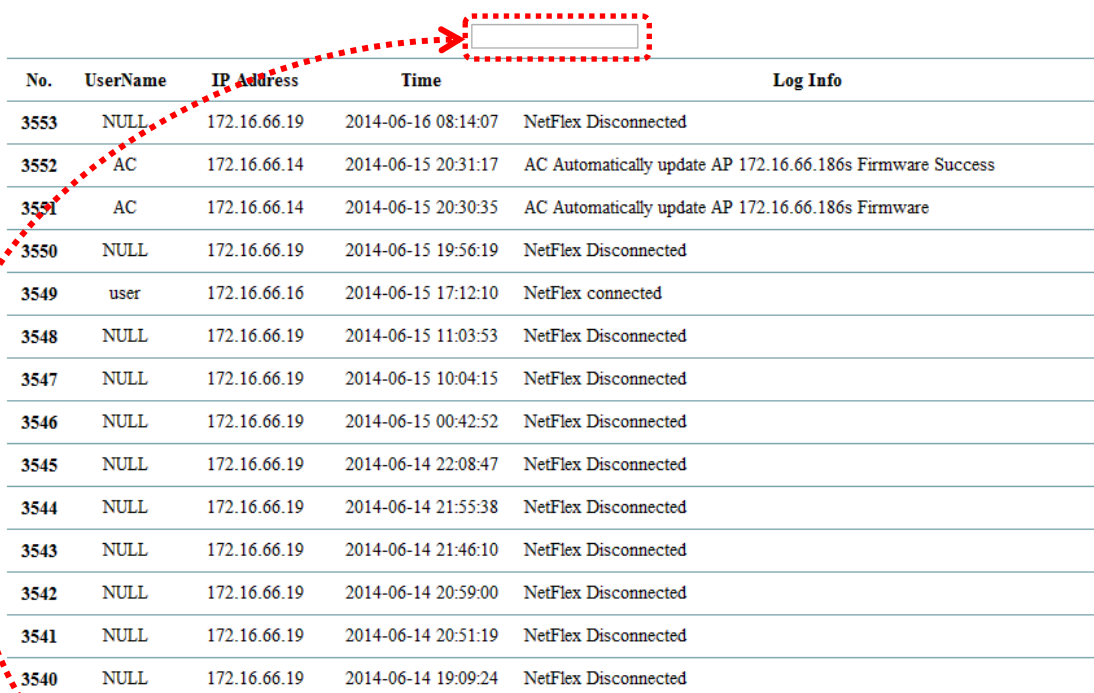
### 6-1. AC 日誌

“網路管理專家”可將網路設備狀態呈報日誌紀錄，可選擇 AC 日誌、AP/STA 日誌和“網路管理專家”日誌

#### AC 日誌

##### AC Log

Search



No.	UserName	IP Address	Time	Log Info
3553	NULL	172.16.66.19	2014-06-16 08:14:07	NetFlex Disconnected
3552	AC	172.16.66.14	2014-06-15 20:31:17	AC Automatically update AP 172.16.66.186s Firmware Success
3551	AC	172.16.66.14	2014-06-15 20:30:35	AC Automatically update AP 172.16.66.186s Firmware
3550	NULL	172.16.66.19	2014-06-15 19:56:19	NetFlex Disconnected
3549	user	172.16.66.16	2014-06-15 17:12:10	NetFlex connected
3548	NULL	172.16.66.19	2014-06-15 11:03:53	NetFlex Disconnected
3547	NULL	172.16.66.19	2014-06-15 10:04:15	NetFlex Disconnected
3546	NULL	172.16.66.19	2014-06-15 00:42:52	NetFlex Disconnected
3545	NULL	172.16.66.19	2014-06-14 22:08:47	NetFlex Disconnected
3544	NULL	172.16.66.19	2014-06-14 21:55:38	NetFlex Disconnected
3543	NULL	172.16.66.19	2014-06-14 21:46:10	NetFlex Disconnected
3542	NULL	172.16.66.19	2014-06-14 20:59:00	NetFlex Disconnected
3541	NULL	172.16.66.19	2014-06-14 20:51:19	NetFlex Disconnected
3540	NULL	172.16.66.19	2014-06-14 19:09:24	NetFlex Disconnected

網路管理專家提供關鍵字搜尋，將搜尋的關鍵字輸入再按 Enter，搜尋到的關鍵字會呈現黃底。

## 6-2. AP/STA 日誌

### AP/STA 日誌

#### AP/STA Log

Search		
No.	Time	Log Info
23693	2014-06-16 14:07:19	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23692	2014-06-16 14:07:13	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.180 C1-1.2 channel 1 frequency 2412 MHZ
23691	2014-06-16 14:05:35	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Student at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23690	2014-06-16 14:05:29	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Student at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23689	2014-06-16 14:05:26	IEEE 802.11g client 00:15:c7:fd:0c:e1 refused because MAC Authentication Fail Teacher at Ap 172.16.66.50 A1-D.1 channel 4 frequency 2427 MHZ
23688	2014-06-16 14:05:17	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23687	2014-06-16 14:05:11	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23686	2014-06-16 14:05:11	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23685	2014-06-16 14:05:11	IEEE 802.11g client 20:02:af:55:b3:cb refused because MAC Authentication Fail Teacher at Ap 172.16.66.181 C1-1.3 channel 11 frequency 2462 MHZ
23684	2014-06-16 14:04:07	IEEE 802.11g client 0c:8b:fd:1c:b8:d5 refused because MAC Authentication Fail Teacher at Ap 172.16.66.76 A4-6.1 channel 11 frequency 2462 MHZ
23683	2014-06-16 14:04:07	IEEE 802.11g client 0c:8b:fd:1c:b8:d5 refused because MAC Authentication Fail Teacher at Ap 172.16.66.76 A4-6.1 channel 11 frequency 2462 MHZ
23682	2014-06-16 14:04:07	IEEE 802.11g client 0c:8b:fd:1c:b8:d5 refused because MAC Authentication Fail Teacher at Ap 172.16.66.76 A4-6.1 channel 11 frequency 2462 MHZ

網路管理專家提供關鍵字搜尋，將搜尋的關鍵字輸入再按 **Enter**，搜尋到的關鍵字會呈現黃底。



### 6-3. “網路管理專家”日誌

#### “網路管理專家”日誌

**Log Viewer**

Show  entries      Search:

Time	Level	Message
2014-06-16 17:29:04.198	INFO	Account admin login.
2014-06-16 17:21:24.68	INFO	Account admin logout.
2014-06-16 14:49:17.231	INFO	Device IP = 192.168.1.1 Link View Read Device Success
2014-06-16 10:56:28.549	INFO	Device IP = 192.168.1.1 Link View Read Device Success
2014-06-16 10:42:35.662	INFO	Device IP = 172.16.66.1 Link View Read Device Success
2014-06-16 10:37:53.261	INFO	Device IP = 172.16.66.4 POE Status Interface Read Device Success
2014-06-16 10:37:52.804	INFO	Device IP = 172.16.66.4 Link View Read Device Success
2014-06-16 10:36:18.169	INFO	Device IP = 172.16.66.4 Port Status Read Device Success
2014-06-16 10:36:16.027	INFO	Device IP = 172.16.66.4 Link View Read Device Success
2014-06-16 10:36:12.181	WARN	Device IP = 172.16.66.4 VLAN Status Global Port = 2 4 5 7 Read Failed

Showing 1 to 10 of 500 entries      Previous    **1**    2    3    4    5    ...    50    Next

#### 6-4. “網路管理專家”異常日誌

##### “網路管理專家”異常日誌

#### Alarm Viewer

Show  entries

Search:

Time	Level	Message
2014-10-16 11:56:15.81	ERROR	VIA CyberExpert Start Up
2014-10-16 11:54:19.408	ERROR	VIA CyberExpert Shut Down
2014-10-15 09:50:05.673	ERROR	Device IP = 172.16.66.9 has disconnected over 30 minutes.
2014-10-15 09:21:51.634	ERROR	VIA CyberExpert Start Up
2014-10-15 09:21:32.946	ERROR	VIA CyberExpert Shut Down
2014-10-14 20:00:05.834	ERROR	Device IP = 172.16.66.9 has disconnected over 30 minutes.
2014-10-14 19:36:44.49	ERROR	VIA CyberExpert Start Up
2014-10-14 19:34:55.649	ERROR	VIA CyberExpert Shut Down
2014-10-14 16:20:05.06	ERROR	Device IP = 172.16.66.9 has disconnected over 30 minutes.
2014-10-14 15:52:15.249	ERROR	VIA CyberExpert Start Up

Showing 1 to 10 of 500 entries

Previous

1

2

3

4

5

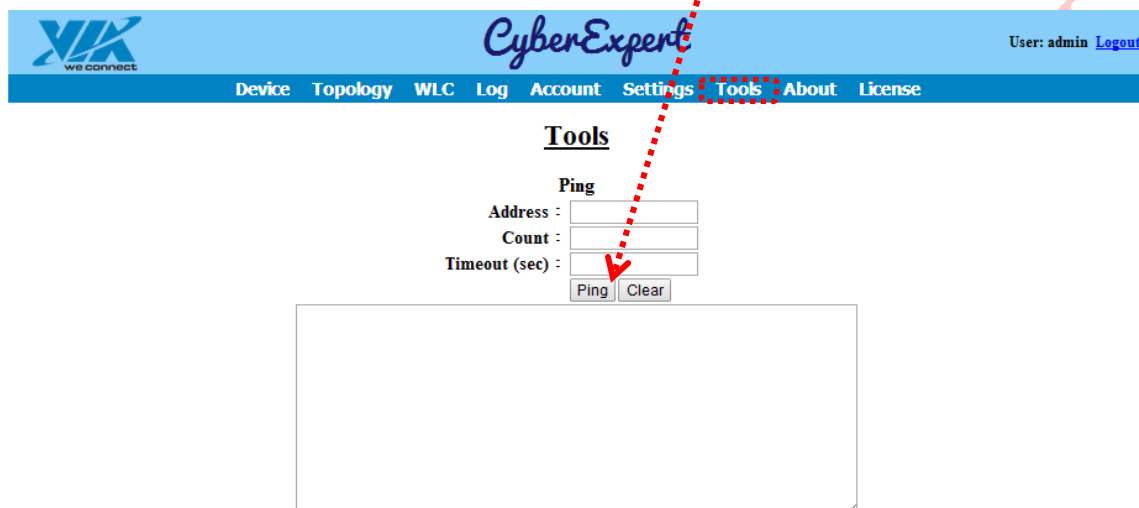
...

50

Next

## 7. “網路管理專家”工具

“網路管理專家”提供 ping 工具，對於網路異常的網路設備，可以去 ping 它，先設定網路設備的 IP 位址、ping 的次數、及 Timeout 時間，設定完成後按 Ping。



The screenshot shows the CyberExpert web interface. The top navigation bar includes links for Device, Topology, WLC, Log, Account, Settings, Tools, About, and License. The 'Tools' link is highlighted with a red dashed box and a red arrow pointing to the 'Ping' button in the form below. The form is titled 'Tools' and contains a 'Ping' section with three input fields: 'Address :', 'Count :', and 'Timeout (sec) :'. Below these fields are 'Ping' and 'Clear' buttons. A large, empty rectangular box is positioned below the form.

**CyberExpert**

User: admin [Logout](#)

Device Topology WLC Log Account Settings **Tools** About License

Tools

Ping

Address :

Count :

Timeout (sec) :

## 8. 關於”網路管理專家”

滑鼠點選 **About**，提供關於”網路管理專家”版本、電話、地址、及 E-Mail。



## 9. “網路管理專家”版權設定

滑鼠點選 **License**，提供關於“網路管理專家”License 設定，先設定選擇檔案，再按 **Upload** 上傳，設定完成後，顯示“網路管理專家” Serial Number、目前網路設備個數，可允許網路設備個數。



## 10. 全球服務中心據點

原廠服務中心據點

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FAX: 886-2-22198461

Web: <http://www.via.com.tw>

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深圳市南山區深南大道 9966 號

TEL: 86-755-66821000

FAX: 86-755-61886510

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