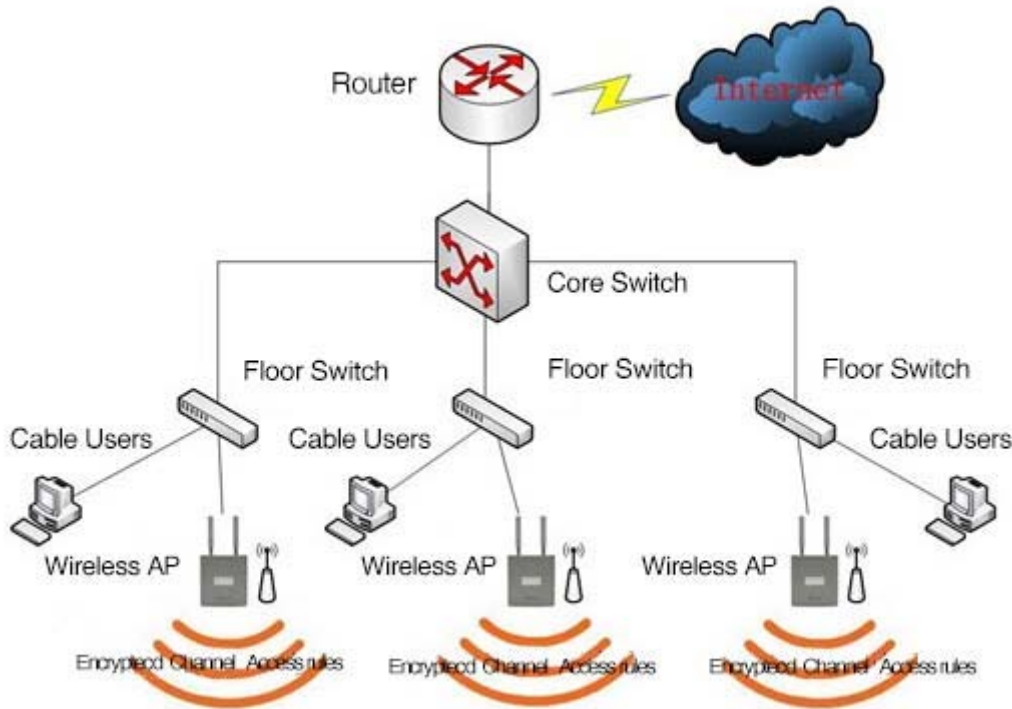


LIMARK WIFI AP Solution User Manual

1 Network set up

1.1 Network hardware link topology:



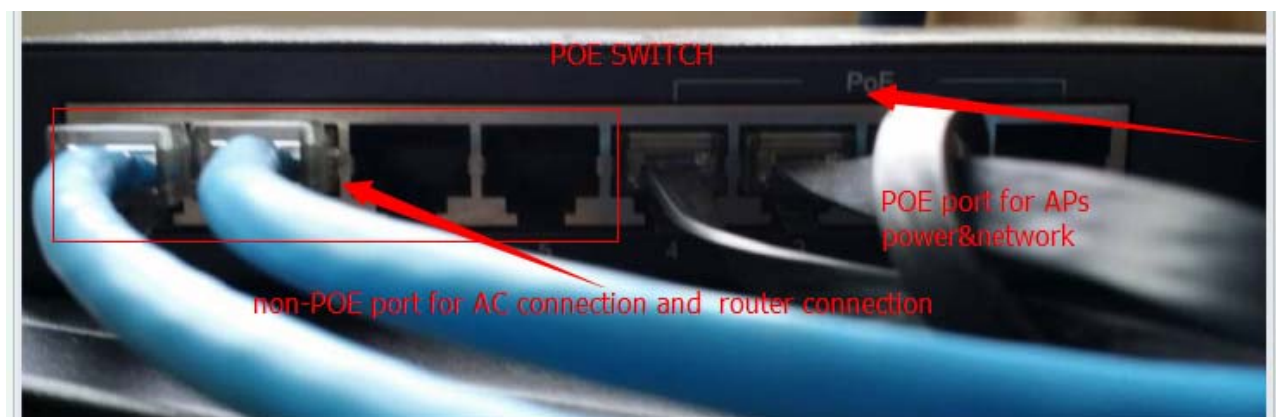
1.2 Equipment list: Router, Core switch, Floor switches, AP, RJ45 Cable, POE switch/POE power adapter.

1.3 Router Connection

Firstly, Plug the RJ45 cable from WAN to the WAN port of the router.



Secondly, plug the Rj45 cable from LAN port of the router to any port of the non-POE port of the POE switch.



Thirdly, plug the Rj45 cable from the any of the non-Poe port of the POE switch to the port marked " 3 " in the AC.

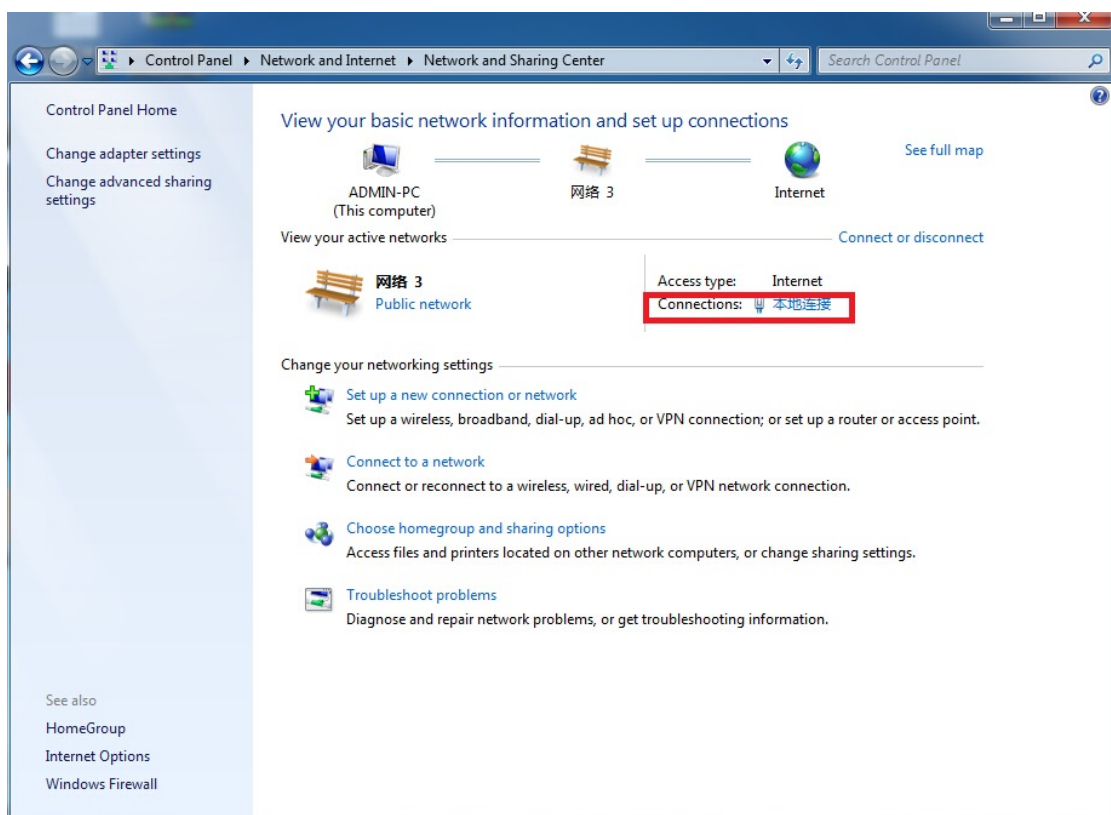


Note: In this step, the Rj45 cable shall be of CAT6/6A standard.

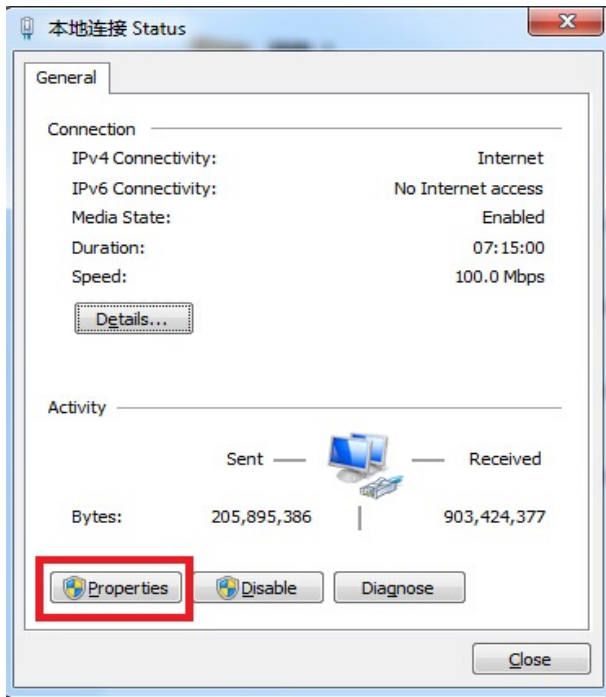
1.4 Modify the PC IP address

Firstly, Use a short pair of Rj45 cable, connect the PC with Win Xp/7/8 OS to the router LAN port,

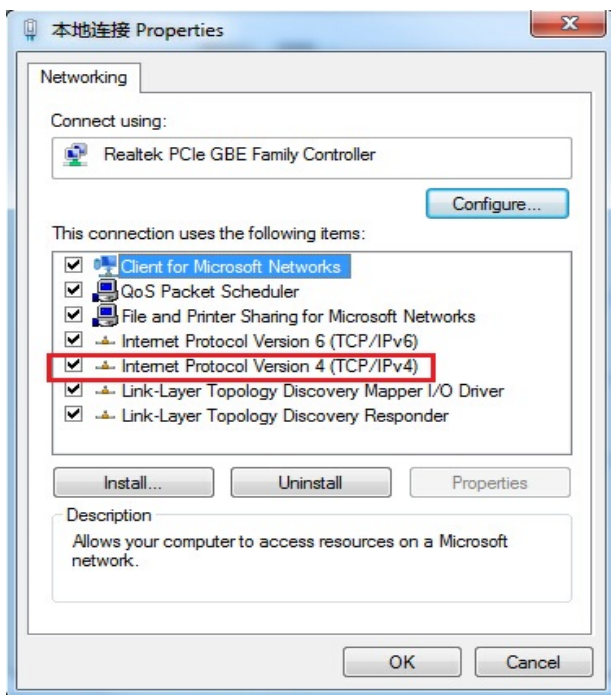
Click"Start menu, control panel, network and Internet, network and sharing center".Click"Local connection" like the attached screenshot.



Secondly, in the "local connection" dialog box, click "properties".



Thirdly, in the "local connection properties dialog box" double-click "Internet Protocol Version 4".





Fourthly, in the "Internet Protocol Version 4" dialog box, set the IP address of the PC in the same network segment with the router.

For instance:

Static IP address:

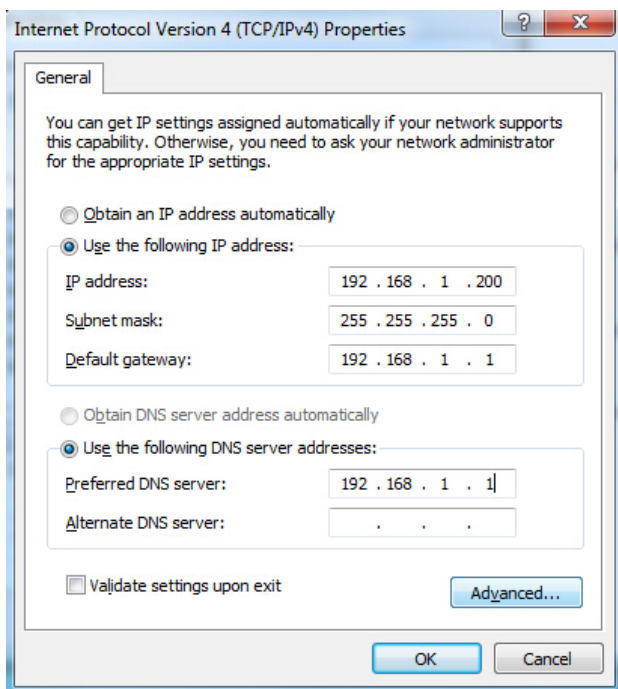
IP: 192.168.1.200

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

DNS: 192.168.1.1

Note: The router we use in the test is of 192.168.1.1 network segment.





Or Just choose DHCP and Automatic DNS.

2 Router Configuration

Note: In this step, we use the router to connect to the Internet for normal internet usage and test, also the router shall act as valid IP address pool provider for various network users.

The router WAN setting shall be correct as per different network environment for normal Internet access.

The router LAN IP address pool setting shall be valid and big enough for all kinds of users requirement.

For instance, in the test we use Feixin Router, enter the setting page by web browser of PC. The default user name and password is "admin" .

Enter the router setting page, choose the correct WAN setting for normal internet connection.

Then configure LAN Ip address pool according to the requirement.

3 AC Configuration

3.1 Enter 192.168.1.228 to the address bar of PC web browser, click enter to enter AC configuration page.

The default user name is "admin" , password:" password" .

WLAN Switch

Exit

welcome

Username:

Password:

Language:

English ▾

Login

Cancel

4.2 Choose Network setting DHCP.

WLAN Switch

Home

Help

Exit

welcome

General

General

User Information

Wireless Switch Information

TAP Interface Network Setting

Network Interface MAC Address

• General

• Basic Setup

• Network Setting

• Management

• Interface Settings

• TAP Settings

• VLAN Settings

• QINQ Settings

• VLAN Interface

• DHCP Settings

• Route Settings

• N +

• 1_backupcontrol

• PortMonitor Settings

• RF Configure

• Network Control

• Management

• Information

Username

admin

User Property

Administrator

Device Name

NB

Country / Region

China

Firmware Version

V1.0.8(NB)

HardwareVersion

1.1

IP Address

192.168.1.228

Subnet Mask

255.255.255.0

ETH0 MAC Address

B0:38:50:00:CC:55

ETH1 MAC Address

B0:38:50:00:CC:56

ETH2 MAC Address

B0:38:50:00:CC:57

ETH3 MAC Address

B0:38:50:00:CC:58

ETH4 MAC Address

B0:38:50:00:CC:59

ETH5 MAC Address

B0:38:50:00:CC:5A

In the DHCP page, choose the DHCP open, the start IP and end IP defines the IP pool address of AC to be given the APs for usage. Make the configuration as per different network environment.



DHCP Settings

Interface

DHCP Status: **Enable** (2)

TAP Interface IP Address1: 192.168.1.228

TAP Interface IP Address2: 0.0.0.0

TAP Interface IP Address3: 0.0.0.0

TAP Interface IP Address4: 0.0.0.0

Starting IP Address: 192.168.1.1 (3)

Ending IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

Primary DNS Server: 0.0.0.0

Secondary DNS Server: 0.0.0.0

Primary WINS IP: 0.0.0.0

Secondary WINS IP: 0.0.0.0

Lease time(100-86400 s): 3000

Buttons: Add New, **Apply** (4), Cancel

4.3 Open the Information column--Thin AP list: You can see the AP online status, including the MAC address, Ip address given to the APs by the AC.

WLAN Switch

Home Help Exit

welcome

Thin AP List

Thin AP Search

☐ Display Messages According To IP

☐ Display Messages According To Mac

☐ Display Messages According To AP NAME

☐ Display Messages According To AP Project Information

☐ Display Messages According To NetCard

☐ Choose a template issued for a batch of tap

Single Netcard Dual Netcard RF1 Dual Netcard RF2

default

Template issued Search Refresh select All Reboot Restore Factory Delete

Total AP Number: 4 Online AP Number: 0 Offline AP Number: 4

AP Index	Serial number	MAC Address (3)	AP Name	AP Network Element ID	AP Version	IP (4)	Channel	Uplink Speeds (KBps)	Downlink Speeds (KBps)	Uplink Flow (KBytes)	Downlink Flow (KBytes)	Config
1		b0:38:50:00:9e:1d	AP009e1d	b0:38:50:00:9e:1d	0.0.0.0	0	0	0	0	0	0	LiMe
2		b0:38:50:00:9e:43	AP009e43	b0:38:50:00:9e:43	0.0.0.0	0	0	0	0	0	0	LiMe
3		b0:38:50:00:9e:6f	AP009e6f	b0:38:50:00:9e:6f	0.0.0.0	0	0	0	0	0	0	LiMe
4		b0:38:50:00:cd:8d	AP00cd8d	b0:38:50:00:cd:8d	0.0.0.0	0	0	0	0	0	0	LiMe

4.4 Choose RF configure column--light AP templates.

Note: In this instance, the templates has already been set here, we set three templates named as LiMark-286-1, LiMark-286-6 and LiMark-286-11 , the RF channel are 1、 6、 11.



We have set the basic templates before sending to your side, if the templates is Ok, just choose and apply; if it is not Ok, you can follow the steps of 4.4-4.7 to do the templates setting by yourself.

WLAN Switch

Home Help Exit

welcome

LightAP Template Search

☐ Display Messages According To Template Name

☐ Display Messages According To Wireless Mode

☐ Display Messages According To Channel

LightAP Template Auto Creat ☐ Yes ☒ No

Search select All Add New Copy Edit Delete Apply Cancel

#	Configuration Name	Wireless Mode	Channel / Frequency	SSID	Security	VLAN ID	Profile1	Profile2	Profile3	Profile4
1	default	Auto(11g and 11b)	1/2.412GHz	Wireless	Open System	0	Wireless	Open System	0	Wireless
2	LiMark-286-1	11b/g/n	1/2.412GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless
3	LiMark-286-6	11b/g/n	6/2.437GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless
4	LiMark-286-11	11b/g/n	11/2.462GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless

Current Page:1 Head 1 Goto 1 page Tail Total Pages1page

4.5 Choose Add NEW, then input template name, wireless mode and RF channel and other information. You can make the setting as per your request.

WLAN Switch

Home Help Exit

welcome

LightAP Template

LightAP Template Search

☐ Display Messages According To Template Name

☐ Display Messages According To Wireless Mode

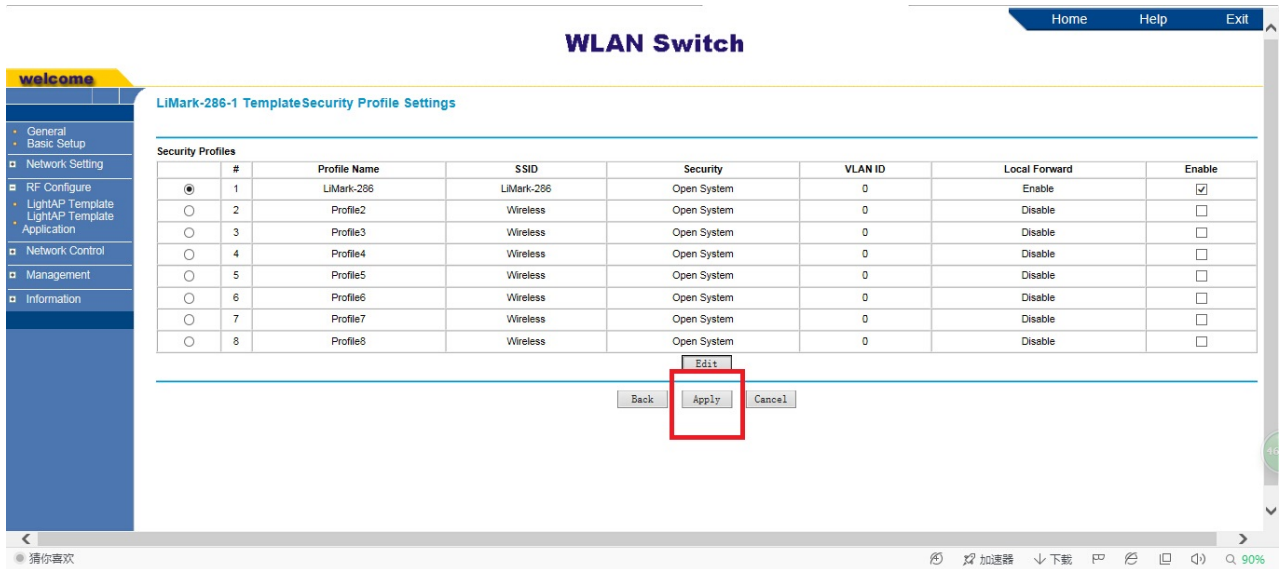
☐ Display Messages According To Channel

LightAP Template Auto Creat ☐ Yes ☒ No

Search select All Add New Copy Edit Delete Apply Cancel

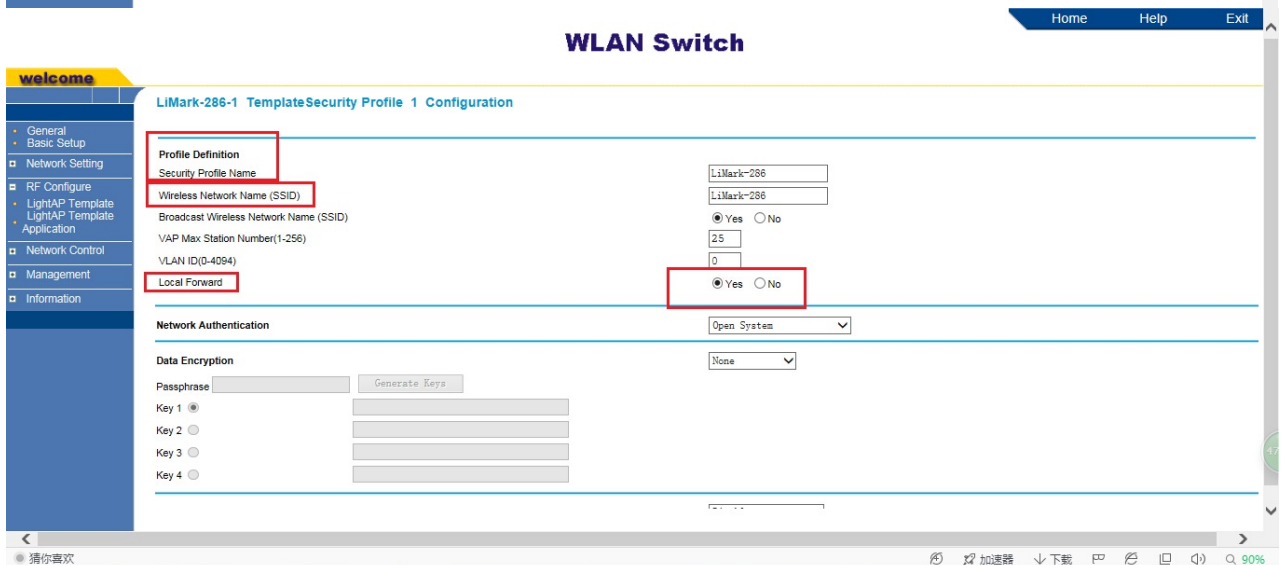
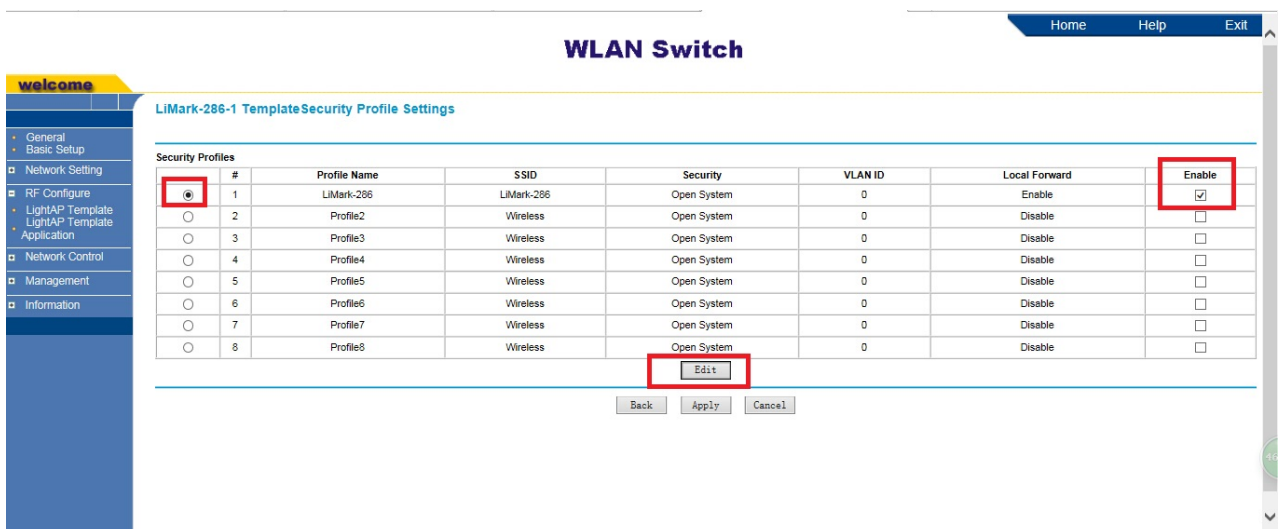
#	Configuration Name	Wireless Mode	Channel / Frequency	SSID	Security	VLAN ID	Profile1	Profile2	Profile3	Profile4
1	default	Auto(11g and 11b)	1/2.412GHz	Wireless	Open System	0	Wireless	Open System	0	Wireless
2	LiMark-286-1	11b/g/n	1/2.412GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless
3	LiMark-286-6	11b/g/n	6/2.437GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless
4	LiMark-286-11	11b/g/n	11/2.462GHz	LiMark-286	Open System	0	Wireless	Open System	0	Wireless

Current Page:1 Head 1 Goto 1 page Tail Total Pages1page



Click edit to enter Security profile setting page.

SSID, encryption method can be set, the local forward shall be enabled. Choose Yes for local forward.



Home Help Exit

WLAN Switch

welcome

Key 3

Key 4

Wireless Client Security Separation Disable

Wireless Client Band Width Control Enable ☐ Yes ☒ No

Uplink User Band Width(1-1687) x 64Kbps

Downlink User Band Width(1-1687) x 64Kbps

Reauthentication after idle user default

Reauthentication after idle time(1-1440)min

Reauthentication after idle flow(0-10240)KB

Enable No Web Authen ☐ Yes ☒ No

Enable Fast Authen ☐ Yes ☒ No

Portal Server Select

RADIUS Server(Web Authen) Select

Back Apply Cancel

4.7 Apply AP setting templates.

Open INFORMATION--Thin AP online lists, choose template configure, double click on the APs to apply the templates.

Home Help Exit

WLAN Switch

welcome

Thin AP List

Thin AP Search

☐ Display Messages According To IP ☐ ☐ ☐ ☐

☐ Display Messages According To Mac ☐ ☐ ☐ ☐ ☐ ☐

☐ Display Messages According To AP NAME

☐ Display Messages According To AP Project Information

☐ Display Messages According To NetCard ☐ Single Netcard ☐ Dual Netcard RF1 ☐ Dual Netcard RF2

☐ Choose a template issued for a batch of tap default

Template issued Search Refresh select All Reboot Restore Factory Delete

Total AP Number: 4 Online AP Number: 0 Offline AP Number: 4

AP Index	Serial number	MAC Address	AP Name	AP Network Element ID	AP Version	IP	channel	Uplink Speeds (Kbps)	Downlink Speeds (Kbps)	Uplink Flow (KBytes)	Downlink Flow (KBytes)	Config Template	MTU	Data
☐ 1		b0:38:50:00:9e:1d	AP009e1d	b0:38:50:00:9e:1d	0.0.0.0			0	0	0	0	LiMark-286-1	1500	Click Here
☐ 2		b0:38:50:00:9e:43	AP009e43	b0:38:50:00:9e:43	0.0.0.0			0	0	0	0	LiMark-286-1	1500	Click Here
☐ 3		b0:38:50:00:9e:6f	AP009e6f	b0:38:50:00:9e:6f	0.0.0.0			0	0	0	0	LiMark-286-6	1500	Click Here
☐ 4		b0:38:50:00:cd:8d	AP00cd8d	b0:38:50:00:cd:8d	0.0.0.0			0	0	0	0	LiMark-286-6	1500	Click Here

Current Page:1

Uplink Flow (KBytes)	Config Template	MTU	Data
0	LiMark-286	1500	Click Here
8	default	1500	Click Here
0	LiMark-286	1500	Click Here
0	LiMark-286_1	1500	Click Here
0	LiMark-286_2	1500	Click Here

Choose the template.

4.8 Choose Network configure--DHCP, choose EDIT in the DHCP configure lists.

Home Help Exit

WLAN Switch

welcome

- General
- Basic Setup
- Network Setting
- Management
- Interface Settings
 - TAP Settings
 - VLAN Settings
 - QINQ Settings
 - VLAN Interface
 - DHCP Settings
 - Route Settings
- N+1 backup control
- PortMonitor Settings
- RF Configure
- Network Control
- Management
- Information

Interface: LAN

TAP Interface IP Address1: 192.168.1.228

TAP Interface IP Address2: 0.0.0.0

TAP Interface IP Address3: 0.0.0.0

TAP Interface IP Address4: 0.0.0.0

Starting IP Address: 0.0.0.0

Ending IP Address: 0.0.0.0

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

Primary DNS Server: 0.0.0.0

Secondary DNS Server: 0.0.0.0

Primary WINS IP: 0.0.0.0

Secondary WINS IP: 0.0.0.0

Lease time(100-86400 s): 3600

Add New Apply Cancel

DHCP Settings List

Interface	DHCP Status	Starting IP Address	Ending IP Address	Subnet Mask	Default Gateway	Primary DNS Server	Secondary DNS Server	Primary WINS IP	Secondary WINS IP	Lease time
LAN	Enable	192.168.10.1	192.168.10.100	255.255.255.0	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	3600

Edit Delete

猜你喜欢 加速器 下载 90%

Choose the DHCP status of AP to be DISABLE, click APPLY.

DHCP Settings

Interface: LAN

DHCP Status: Disable

TAP Interface IP Address1: 192.168.1.228

TAP Interface IP Address2: 0.0.0.0

TAP Interface IP Address3: 0.0.0.0

TAP Interface IP Address4: 0.0.0.0

Starting IP Address: 192.168.1.1

Ending IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

Primary DNS Server: 0.0.0.0

Secondary DNS Server: 0.0.0.0

Primary WINS IP: 0.0.0.0

Secondary WINS IP: 0.0.0.0

Lease time(100-86400 s): 3600

Add New Apply Cancel

4.9 Choose Management-Save Configure--Yes-Apply.

Home Help Exit

WLAN Switch

welcome

- General
- Basic Setup
- Network Setting
- RF Configure
- Network Control
- Management
 - User Management
 - System User Management
 - Mail Notify
 - Change Password
 - Upgrade Firmware
 - Backup/Restore
 - Licence Management
 - Legal AP Management
 - Save Configure
 - Reboot
- Information

Save Configure

Save Configure: ☒ Yes ☐ No

Apply Cancel

5. Congratulations You Have Finished The AP Configuration! Enjoy the WIFI That LIMARK AP Provides!



FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

CE2200