



XonTel XT-18AP

User Manual



Table of Contents

Declaration.....	3
Application Occasions.....	4
Hardware Connection.....	5
Software Wizard Configuration	6
Network Configuration.....	10
1 LAN settings.....	10
2 WAN settings.....	10
3 Wireless settings.....	11
4 DNS settings.....	11
Users Configuration	12
System Configuration.....	12
1 Manage Configuration.....	12
2 Upgrade.....	13
3 Reboot.....	13
4 Change Password	14
5 Remote.....	14
6 LED Switch.....	14
7 Time Setting.....	15
8 Logs.....	15
Firewall Configuration.....	16
1 IP Filter.....	16
2 MAC Filter.....	16
3 URL Filter.....	17
4 Port Forward.....	17
5 ARP Binding.....	18
6 DMZ Settings.....	19
7 DDOS protection settings.....	19

Declaration

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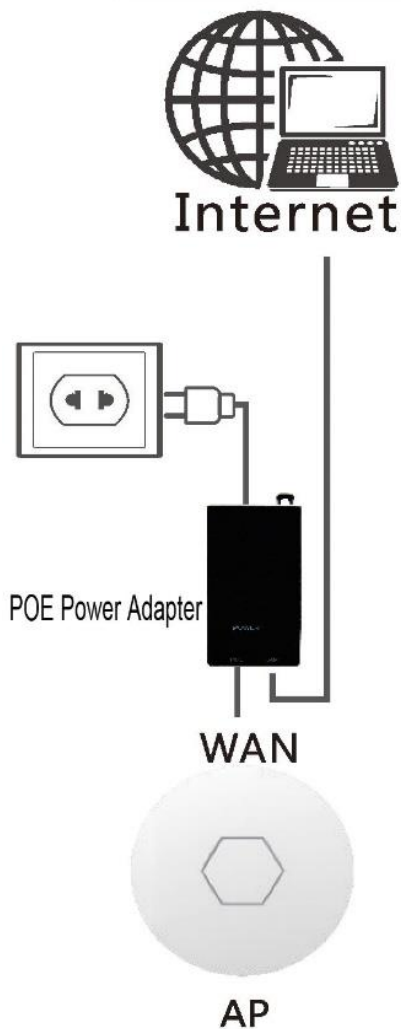
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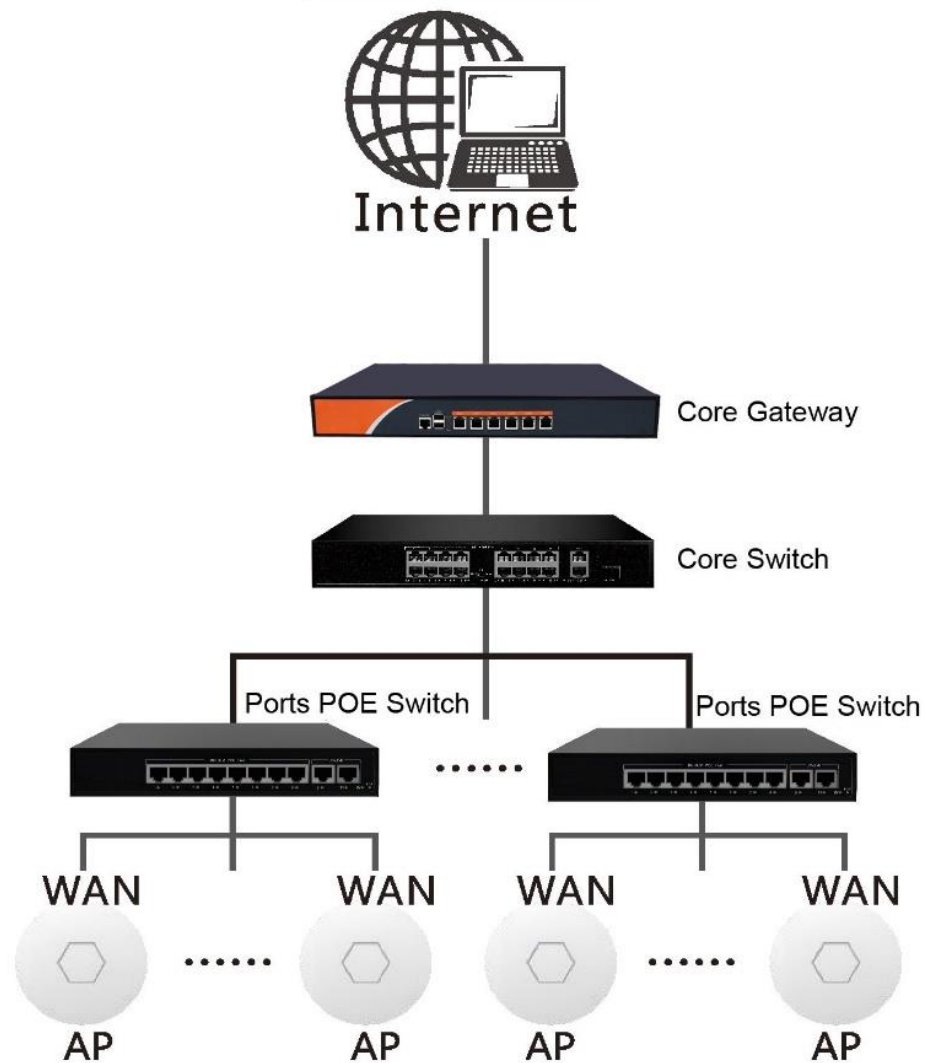
Application Occasions

XonTel XT-18AP Access Point can work individually or together with a router. Solution 1 & 2 are for your reference.

Scheme 1

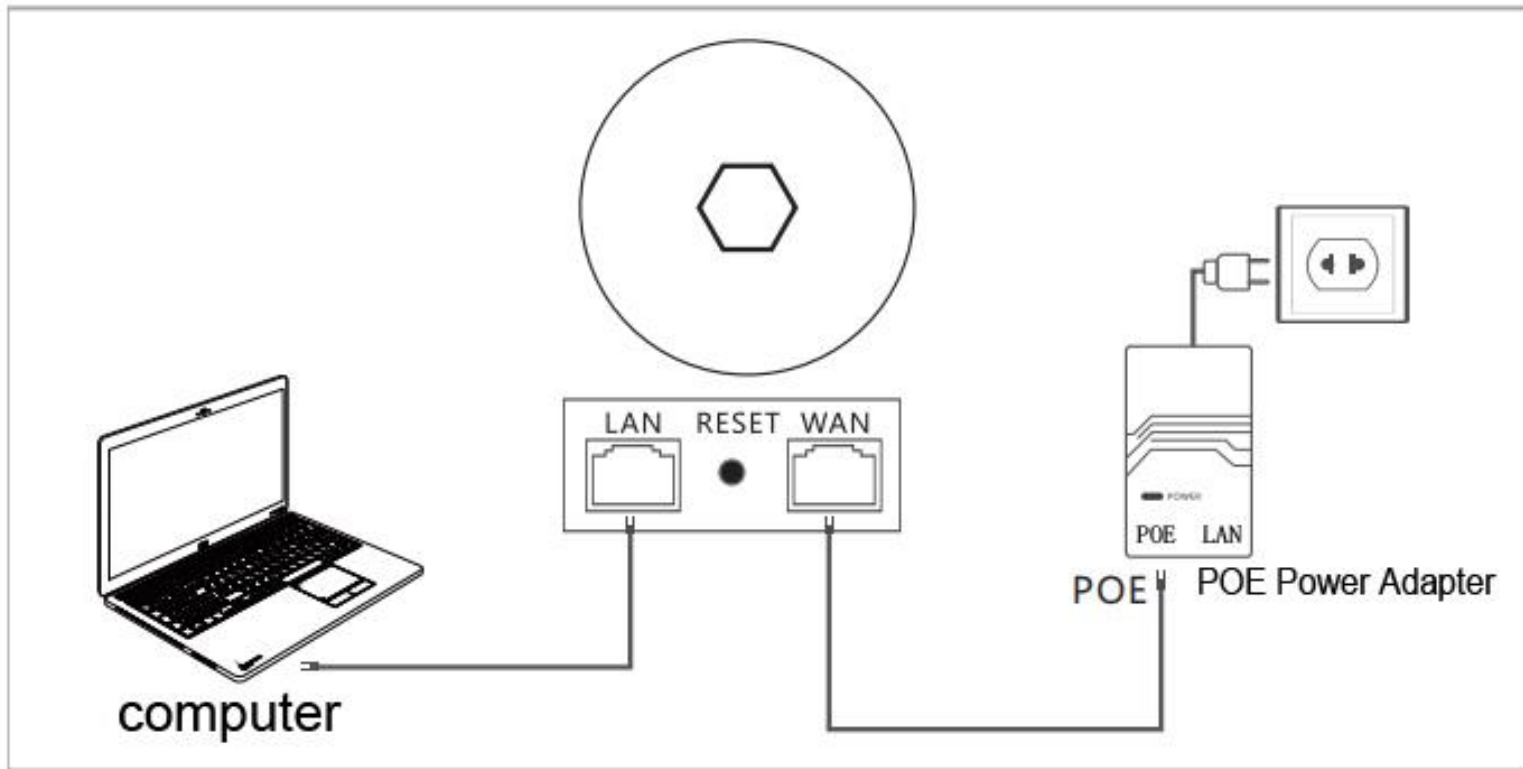


Scheme 2



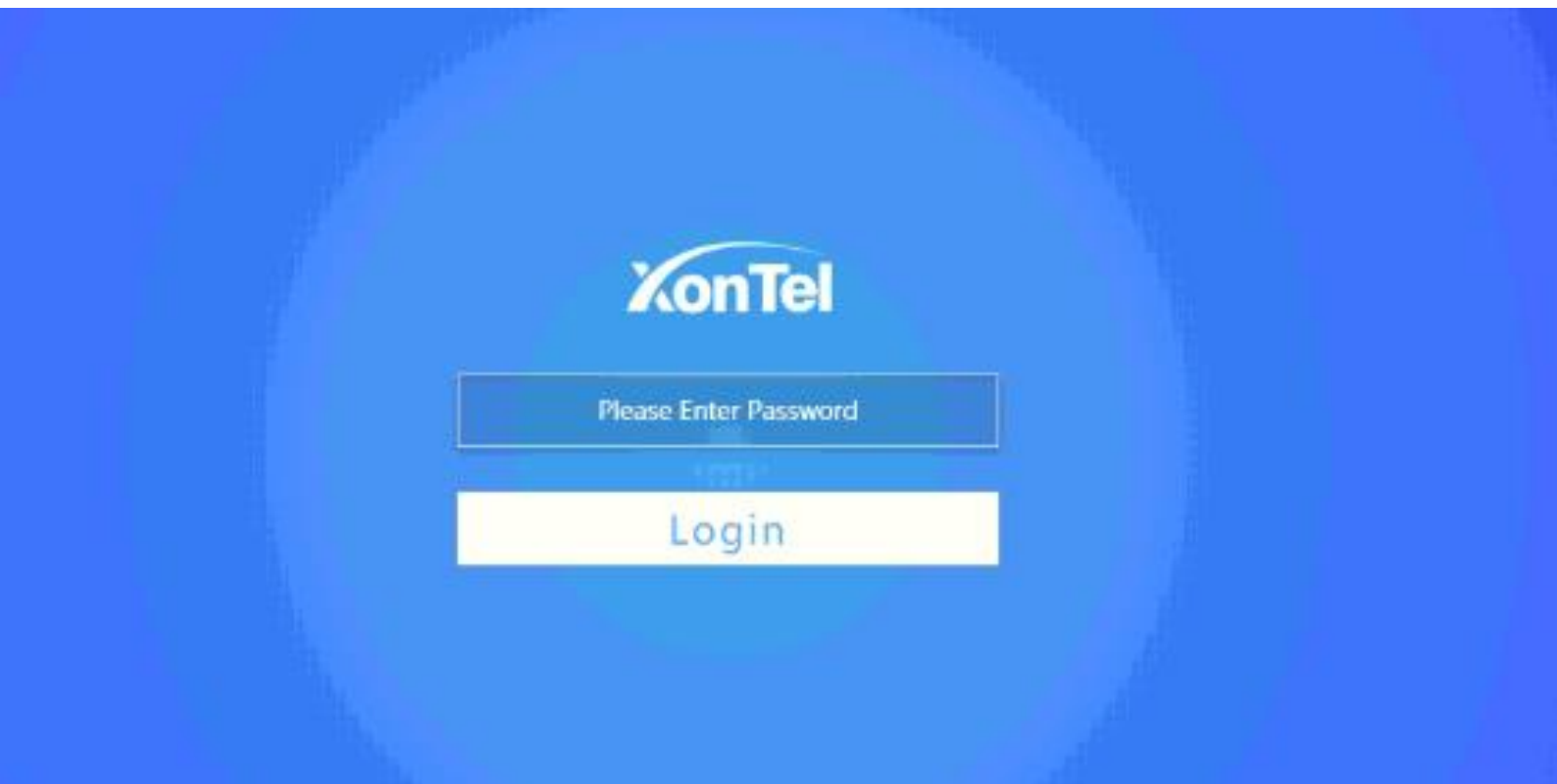
Hardware Connection

When first time power on the device, we need to configure it on a PC via a network cable. Connect XonTel XT-18AP WAN port to the PoE adapter (PoE injector) PoE port. And then connect its LAN port to a PC. Details shown in the picture.

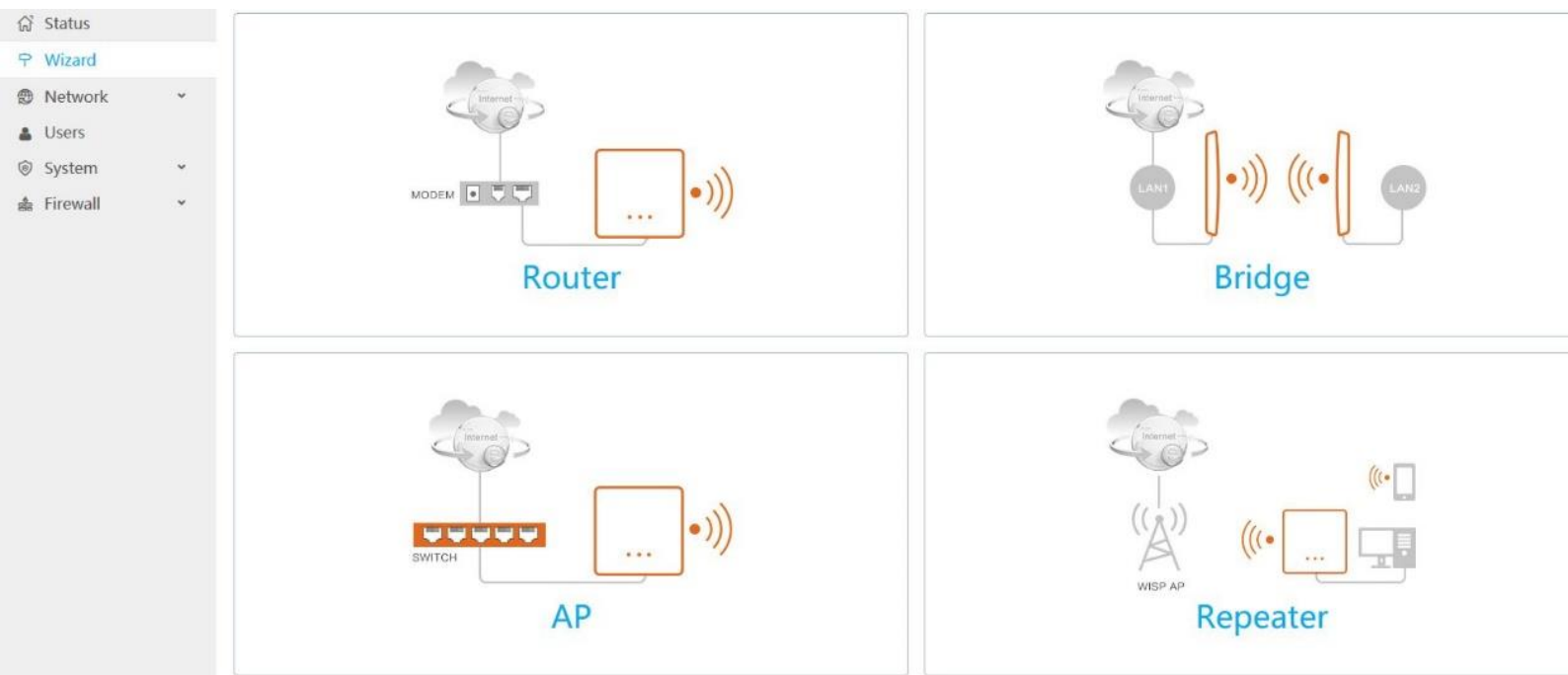


Software Wizard Configuration

- 1) Before log in the system, we need to change the PC IP address. Open up the Control panel - Network and sharing center – Change adapter settings – double click Ethernet- Properties – Double click IPv4 – change IP address to 192.168.10.10; Subnet Mask to 255.255.255.0; Default Gateway to 192.168.10.1.
- 2) Open the web browser, enter **192.168.10.1** to the log in page.
- 3) This is the log in page. Please fill in with the parameters below:
Initial password: **xontel**



4) After log in, click Wizard and choose Router mode



5) WAN settings: Choose DHCP, and click Next.

WAN

☐ PPPoE ☐ Static ☒ DHCP

IP Address

Subnet Mask

Gateway

DNS

Apply

6) LAN settings: IP address is free to change. In this manual, we'll use default 192.168.10.1. Click Next.

Lan Settings

IP Address

192.168.10.1

Subnet Mask

255.255.255.0

Prev

Next

7) Wi-Fi 2.4G settings: SSID is also free to change. We can keep Country and Channel as default. Click Next.

2.4GHz Wireless

SSID

XonTel

Password

xontel123

Advanced Setting

Bandwidth

40MHz

Country

U.S.A

Channel

auto

Prev

Next

8) Wi-Fi 5.8G settings (Available on dual-band APs): SSID is also free to change. We can keep Country and Channel as default. Click Next.

5.8GHz Wireless

SSID

XonTel5G

Password

xontel123

Advanced Setting

Bandwidth

20MHz

Country

U.S.A

Channel

auto

Prev

Next

9) Click Finish and its done.

Router

IP Address

192.168.10.1

Subnet Mask

255.255.255.0

2.4G SSID

XonTel

5.8G SSID

XonTel5G

Prev

Finish



Network Configuration

1. LAN settings

From here you can configure Access Point LAN port network settings.

In XT-18AP GUI interface to **Network ---> LAN**

LAN

IP Address	<input type="text" value="192.168.10.1"/>
Subnet Mask	<input type="text" value="255.255.255.0"/> 
DHCP	<input type="text" value="Server"/> 
DHCP Start IP	<input type="text" value="100"/>
Address number	<input type="text" value="150"/>
Lease Time	<input type="text" value="1440"/> M
Domain Name	<input type="text" value="XonTel"/>

Apply

2. WAN settings

From here you can configure Access Point WAN port network settings.

In XT-18AP GUI interface to **Network ---> WAN**

WAN

☐ PPPoE ☐ Static ☒ DHCP

IP Address	<input type="text" value="automate"/>
Subnet Mask	<input type="text" value="automate"/>
Gateway	<input type="text" value="automate"/>
DNS	<input type="text" value="automate"/>

Apply

3. Wireless settings

From here you can configure Access Point SSID settings for both 2.4GHZ wireless and 5.8GHZ wireless.

In XT-18AP GUI interface to **Network ---> Wireless**

2.4GHz Wireless		5.8GHz Wireless	
2.4GHz Wireless			
SSID	XonTel	PSK	xontel123
SSID	XonTel_ADMIN_2G	PSK	12345678
			ON
			OFF
		Advanced Setting OFF	
Apply			

2.4GHz Wireless		5.8GHz Wireless	
5.8GHz Wireless			
SSID	XonTel5G	PSK	xontel123
SSID	XonTel_ADMIN_5G	PSK	12345678
			ON
			OFF
		Advanced Setting OFF	
Apply			

4. DNS settings


From here you can configure Access Point DNS settings.

In XT-18AP GUI interface to **Network ---> DNS**


DNS	
Main DNS	e.g:xxx.xxx.xxx.xxx
Secondary DNS	e.g:xxx.xxx.xxx.xxx
Apply	

Users Configuration


From here you can check the connected clients in the Access Point and you can also prevent internet from a specific client.

To prevent a client from accessing internet choose the desired client then click on the icon 

Current Connected Devices

Name	IP	MAC	Up	Down	Online time	Prohibit the Internet
*	*	D4:67:61:C8:07:21	1.41 MB	171.98 KB	04:53:26	
*	*	D4:67:61:C8:07:3B	297.71 KB	221.61 KB	06:18:10	
*	*	D4:67:61:C8:06:FF	4.34 MB	508.85 KB	14:36:50	
*	*	D4:67:61:C8:07:35	967.89 KB	702.23 KB	19:34:35	
*	*	E4:F8:9C:2B:E1:E3	56.81 MB	138.76 MB	21:15:55	
*	*	0C:89:10:C7:4F:61	51.17 MB	283.57 MB	null	

Access Prohibited Devices

Name	MAC	Allow the Internet
*	C0:E8:62:71:7B:9F	

System Configuration

1. Manage Configuration

From here you can import or export XT-18AP configuration and reset XT-18AP to factory default mode.

In XT-18AP GUI interface to **System ---> Manage Config**

Manage Config

[Factory Reset](#)[Import Config](#)[Export Config](#)

2. Upgrade

From here you can upgrade XT-18AP.

In XT-18AP GUI interface to **System ---> Upgrade**

Upgrade

Version

XT-18AP-V1.0

Upload

Choose File

Update

3. Reboot

From here you can reboot XT-18AP or schedule auto reboot for XT-18AP.

In XT-18AP GUI interface to **System ---> Reboot**

Reboot

Reboot

Timed Restart

Timed Restart Switch

Enable

ALL ☒

MON ☒

TUE ☒

WED ☒

THU ☒

FRI ☒

SAT ☒

SUN ☒

Restart Time

03:00

24-hour clock, eg: 03:00

Interval Restart

Enable

Interval

5

H

Apply

4. Change Password

From here you can change XT-18AP GUI login password

In XT-18AP GUI interface to **System ---> Change Password**

Change Password

Old Password

Max Length 63 Characters

New Password

Max Length 63 Characters

Apply

5. Remote

From here you can set external IP address on XT-18AP to login remotely.

Please note that you have to make port forward for the XT-18AP from the main router first.

In XT-18AP GUI interface to **System ---> Remote**

Remote

Switch

Disable

Port

80

IP Address

Apply

6. LED Switch

From here you can switch on or switch off XT-18AP LED.

In XT-18AP GUI interface to **System ---> LED Switch**

LED Switch

LED Switch

Enable

Apply

7. Time Setting

From here you can configure XT-18AP time settings.

In XT-18AP GUI interface to **System** ---→ **Time Setting**

Time Setting

Computer Time

2020-05-13 02:37:11

Update

Internet Sync

Enable

▼

Time Zone

(UTC+03:00)Kuwait, Riyadh

▼

NTP Server

pool.ntp.org

Apply

8. Logs

From here you can check XT-18AP logs.

In XT-18AP GUI interface to **System** ---→ **Logs**

Logs

Refresh

Data	Level	Content
2020/5/12 04:30:10	Info	wlan8: STA b0:2a:43:58:87:18 IEEE 802.11: associated (aid 5)
2020/5/12 04:30:10	Info	wlan8: STA b0:2a:43:58:87:18 RADIUS: starting accounting session 0874F5ABD671D611
2020/5/12 04:30:10	Info	wlan8: STA b0:2a:43:58:87:18 WPA: pairwise key handshake completed (RSN)
2020/5/12 04:31:28	Info	kick device: ifname = wlan8, mac = e4:f8:9c:2b:e1:e3, signal = -67
2020/5/12 04:31:28	Info	wlan8: STA e4:f8:9c:2b:e1:e3 IEEE 802.11: authenticated
2020/5/12 04:31:28	Info	wlan8: STA e4:f8:9c:2b:e1:e3 IEEE 802.11: associated (aid 13)
2020/5/12 04:31:28	Info	wlan8: STA e4:f8:9c:2b:e1:e3 RADIUS: starting accounting session B104862F3987365D
2020/5/12 04:31:28	Info	wlan8: STA e4:f8:9c:2b:e1:e3 WPA: pairwise key handshake completed (RSN)
2020/5/12 04:50:03	Notice	wan (1807): udhpcp: sending renew
2020/5/12 04:58:10	Info	kick device: ifname = wlan8, mac = b0:2a:43:58:87:18, signal = -68
2020/5/12 04:58:40	Info	wlan8: STA b0:2a:43:58:87:18 IEEE 802.11: deauthenticated due to inactivity (timer DEAUTH/REMOVE)
2020/5/12 05:03:28	Notice	wan (1807): udhpcp: sending renew
2020/5/12 05:10:10	Notice	wan (1807): udhpcp: sending renew

Firewall Configuration

1. IP Filter

From here you can configure a list of allowed IP addresses which can connect to your network.

In XT-18AP GUI interface to **Firewall ---> IP Filter**

IP Filter ADD Del

<input type="checkbox"/> Select	No	Protocol	Start IP	End IP	Remarks	Operation
---------------------------------	----	----------	----------	--------	---------	-----------

ADD IP Filter ×

Protocol

ALL

Start IP

e.g:xxx.xxx.xxx.xxx

End IP

e.g:xxx.xxx.xxx.xxx

Remarks

Remarks

Save

2. MAC Filter

From here you can configure a list of allowed MAC addresses which can connect to your network.

In XT-18AP GUI interface to **Firewall ---> MAC Filter**

MAC Filter ADD Del

<input type="checkbox"/> Select	No	MAC	Remarks	Operation
---------------------------------	----	-----	---------	-----------

ADD MAC Filter ×

MAC

e.g:xxxxxxxxxxxx

Remarks

Remarks

Save

3. URL Filter

From here you can prevent users from accessing websites that provide content that is potentially harmful, or not work-related.

In XT-18AP GUI interface to **Firewall** ---→ **URL Filter**

URL Filter

ADD Del

<input type="checkbox"/> Select	No	URL Address	Operation
---------------------------------	----	-------------	-----------

ADD URL Filter

URL Address

Save

4. Port Forward

From here you can configure port forwarding in the XT-18AP

In XT-18AP GUI interface to **Firewall** ---→ **Port Forward**

Port Forward

ADD Del

<input type="checkbox"/> Select	No	IP Address	Protocol	Start Port	End Port	Remarks	Operation
---------------------------------	----	------------	----------	------------	----------	---------	-----------

ADD Port Forward

IP Address e.g.:xxx.xxx.xxx.xxx

Protocol TCP UDP

Start Port Start Port

End Port End Port


Remarks Remarks











Save

5. ARP Binding

From here you can bind network device's IP address to its MAC address. This will prevent ARP Spoofing and other ARP attacks by denying network access to a device with matching IP address in the Binding list, but unrecognized MAC address.

In XT-18AP GUI interface to **Firewall** ---→ **ARP Binding**

To bind network device, click on the icon 

ARP Binding								ADD	Del
<input type="checkbox"/> Select	No	IP Address	MAC	Network	Remarks	Status	Operation		
<input type="checkbox"/>	1	192.168.1.9	0C:9D:92:99:C1:9A	WAN		Unbind			
<input type="checkbox"/>	2	192.168.1.2	00:25:64:C6:7E:D9	WAN		Unbind			
<input type="checkbox"/>	3	192.168.1.89	D0:C5:F3:15:3B:CE	WAN		Unbind			
<input type="checkbox"/>	4	192.168.1.71	00:0C:29:FF:78:E4	WAN		Unbind			
<input type="checkbox"/>	5	192.168.1.68	00:DB:DF:3A:76:B3	WAN		Unbind			
<input type="checkbox"/>	6	192.168.1.61	8C:16:45:C1:7C:12	WAN		Unbind			
<input type="checkbox"/>	7	192.168.1.97	00:25:64:C7:32:52	WAN		Unbind			
<input type="checkbox"/>	8	192.168.1.231	D4:67:61:C7:03:01	WAN		Unbind			
<input type="checkbox"/>	9	192.168.1.25	40:B0:34:44:87:A4	WAN		Unbind			
<input type="checkbox"/>	10	192.168.1.69	30:24:32:95:9D:BD	WAN		Unbind			

1/2Page,Altogether 12 Item

Previous 1 2 Next

ARP Binding

<input type="checkbox"/> Select	No	IP Address	MAC
<input type="checkbox"/>	1	192.168.1.9	0C:9D:92:99:C1:9A
<input type="checkbox"/>	2	192.168.1.2	00:25:64:C6:7E:D9
<input type="checkbox"/>	3	192.168.1.89	D0:C5:F3:15:3B:CE
<input type="checkbox"/>	4	192.168.1.71	00:0C:29:FF:78:E4
<input type="checkbox"/>	5		00:DB:DF:3A:76:B3
<input type="checkbox"/>	6		8C:16:45:C1:7C:12
<input type="checkbox"/>	7		00:25:64:C7:32:52
<input type="checkbox"/>	8		D4:67:61:C7:03:01
<input type="checkbox"/>	9		40:B0:34:44:87:A4
<input type="checkbox"/>	10		30:24:32:95:9D:BD

1/2Page,Altogether 12 Item

ADD ARP Binding

IP Address

e.g:xxx.xxx.xxx.xxx

MAC

e.g:xx:xx:xx:xx:xx:xx

Network

WAN

Remarks

Remarks

Save

6. DMZ Settings

When the XT-18AP works under the router mode and the DMZ service is enabled, the clients in the wide-area network are allowed to have direct access to the clients in the DMZ (demilitarized zone).

In XT-18AP GUI interface to **Firewall ---> DMZ Settings**

DMZ Settings

DMZ Switch

Disable

Host IP

e.g:xxx.xxx.xxx.xxx

Apply

Reset

7. DDOS protection settings

From here you can enable attack resistance in XT-18AP to make the access point more secure.

In XT-18AP GUI interface to **Firewall ---> DDOS protection**

DDOS protection

Anti ICMP attack

☐

Anti UDP attack

☒

Anti SYN attack

☒

Anti NULL scan

☒

Anti FIN scan

☒

Anti Xmas tree

☒

Anti Sumrf

☒

Anti Ping

☐

Apply