



**XonTel XT-18AP**

**User Manual**



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## **Declaration**

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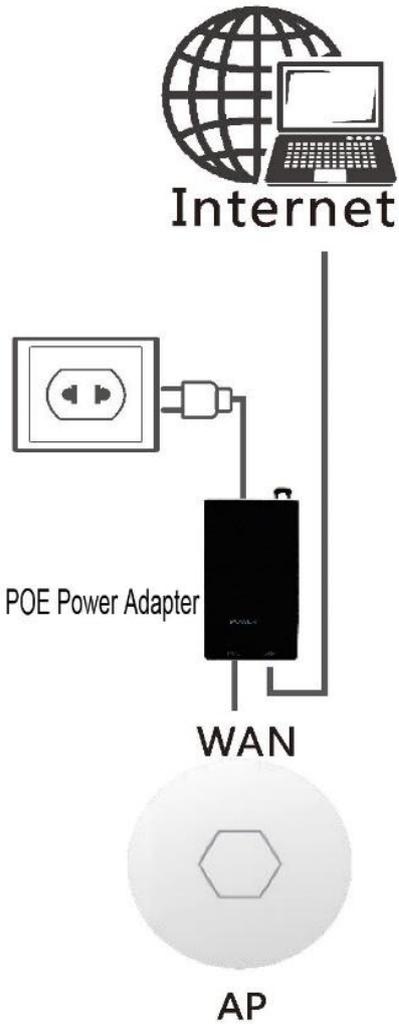
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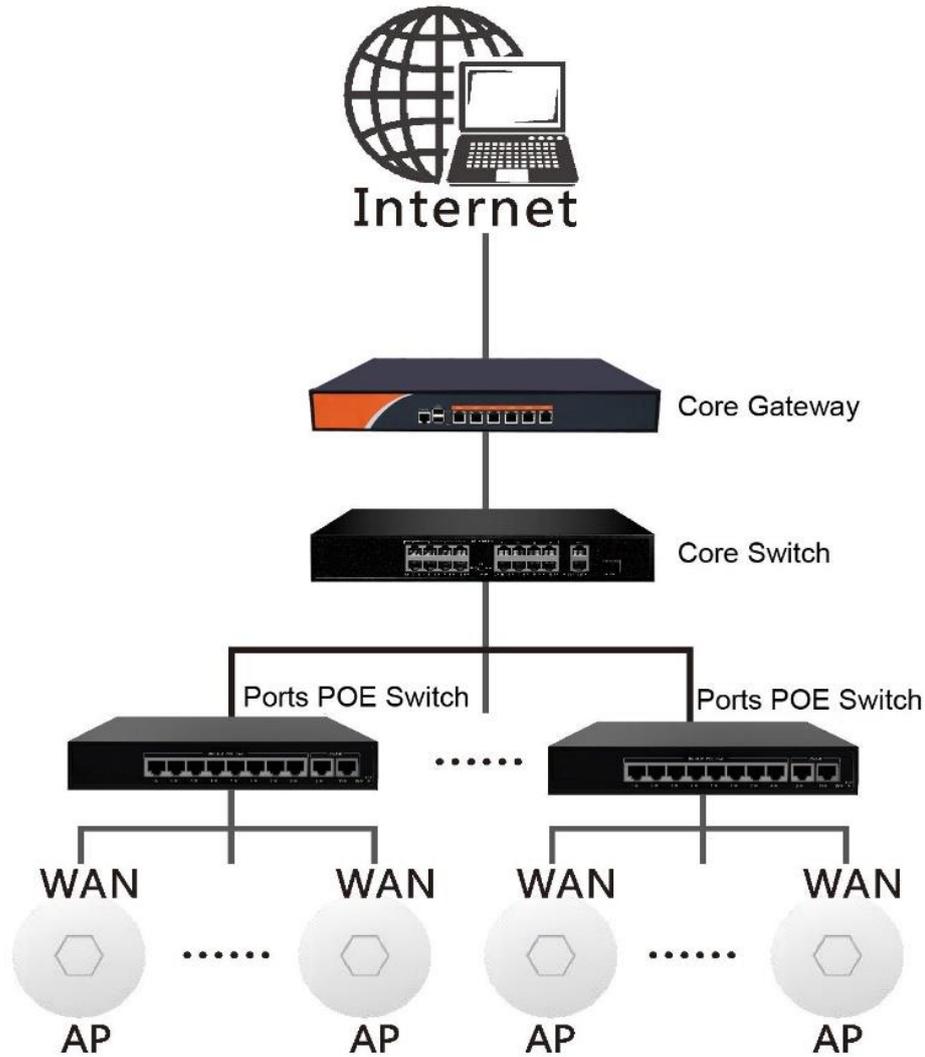
## Application Occasions

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

Scheme 1

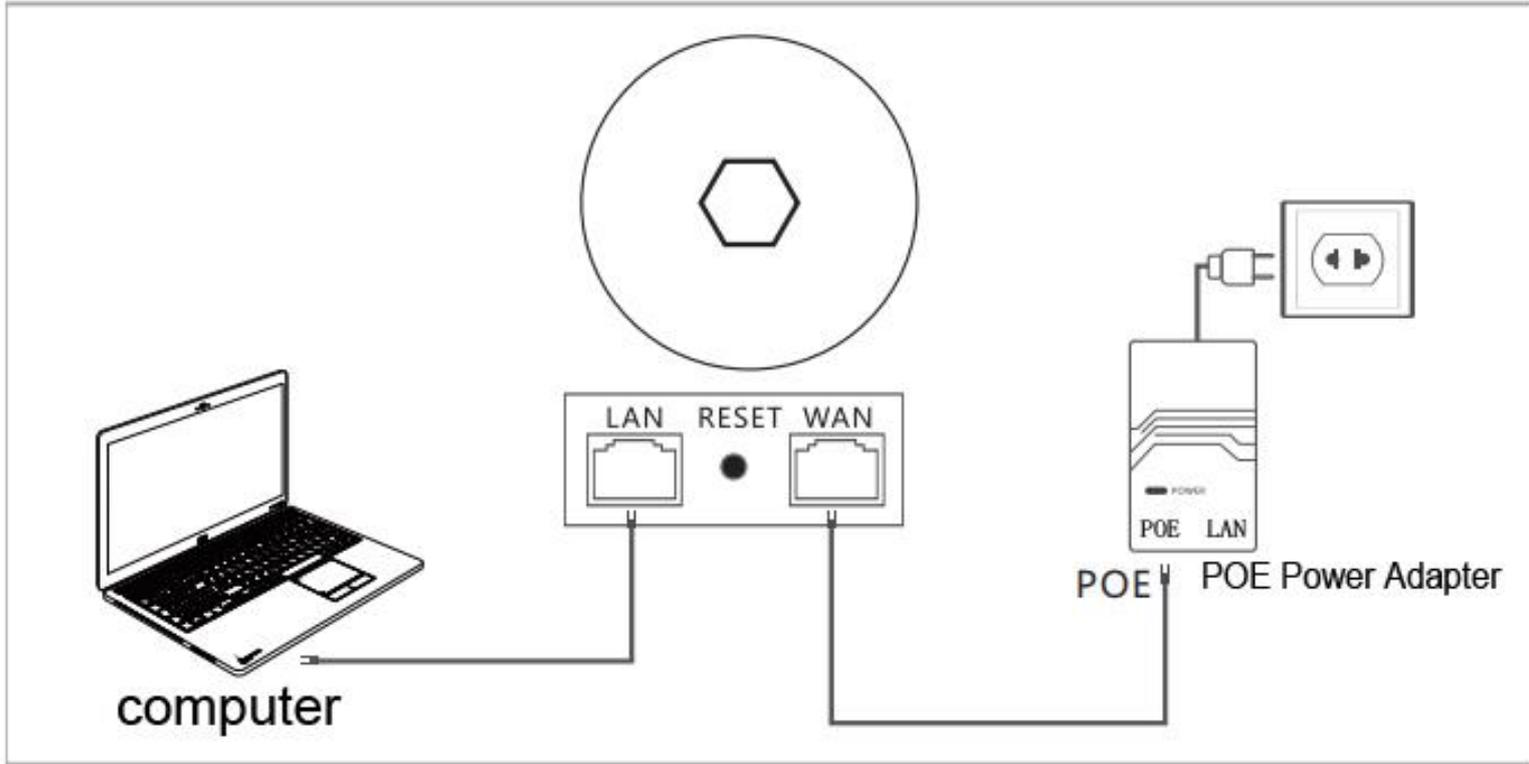


Scheme 2



## 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.



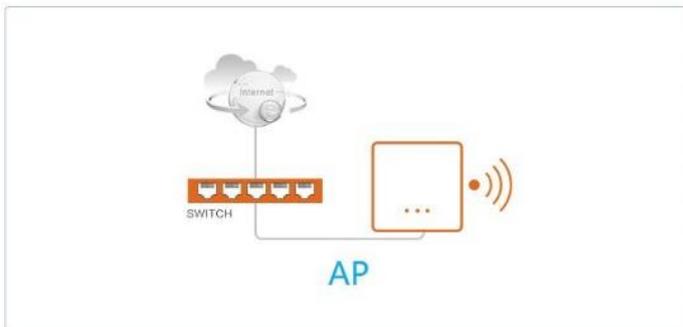
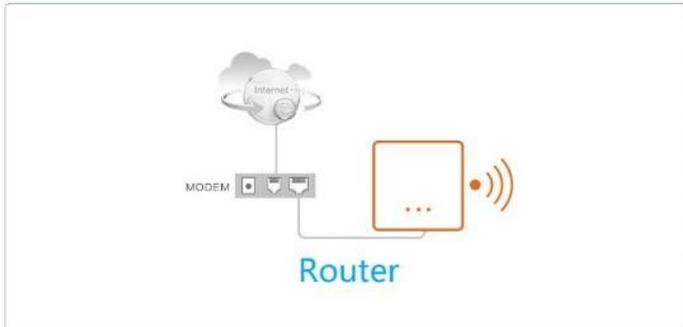
## Software Wizard Configuration

- 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

- Status
- Wizard
- Network
- Users
- System
- Firewall



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	<input type="text" value="192.168.10.1"/>
Subnet Mask	<input type="text" value="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	<input type="text" value="XonTel"/>
Password	<input type="text" value="xontel123"/>

Advanced Setting

Bandwidth	<input type="text" value="40MHz"/>
Country	<input type="text" value="U.S.A"/>
Channel	<input type="text" value="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	<input type="text" value="XonTel5G"/>
Password	<input type="text" value="xontel123"/>

Advanced Setting

Bandwidth	<input type="text" value="20MHz"/>
Country	<input type="text" value="U.S.A"/>
Channel	<input type="text" value="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"/> <input type="button" value="v"/>
DHCP	<input type="text" value="Server"/> <input type="button" value="v"/>
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"/>

## 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"/>

### 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	<input type="text" value="XonTel"/>	PSK	<input type="text" value="xontel123"/>
SSID	<input type="text" value="XonTel_ADMIN_2G"/>	PSK	<input type="text" value="12345678"/>
		<input checked="" type="checkbox"/>	+
		<input type="checkbox"/>	-
		Advanced Setting <input type="checkbox"/>	
<input type="button" value="Apply"/>			

2.4GHz Wireless		5.8GHz Wireless	
5.8GHz Wireless			
SSID	<input type="text" value="XonTel5G"/>	PSK	<input type="text" value="xontel123"/>
SSID	<input type="text" value="XonTel_ADMIN_5G"/>	PSK	<input type="text" value="12345678"/>
		<input checked="" type="checkbox"/>	+
		<input type="checkbox"/>	-
		Advanced Setting <input type="checkbox"/>	
<input type="button" value="Apply"/>			

### 4. DNS settings

From here you can configure Access Point DNS settings.

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

DNS	
Main DNS	<input type="text" value="e.g:xxx.xxx.xxx.xxx"/>
Secondary DNS	<input type="text" value="e.g:xxx.xxx.xxx.xxx"/>
<input type="button" value="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

## 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

Timed Restart

Timed Restart Switch

ALL  MON  TUE  WED   
THU  FRI  SAT  SUN

Restart Time   
24-hour clock, eg: 03:00

Interval Restart

Interval  H

#### 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	<input type="text" value="Max Length 63 Characters"/>
New Password	<input type="text" value="Max Length 63 Characters"/>

#### 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	<input type="text" value="Disable"/>
Port	<input type="text" value="80"/>
IP Address	<input type="text"/>

#### 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	<input type="text" value="Enable"/>
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## 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	<input type="text" value="2020-05-13 02:37:11"/>	<input type="button" value="Update"/>
Internet Sync	<input type="text" value="Enable"/>	<input type="button" value="v"/>
Time Zone	<input type="text" value="(UTC+03:00)Kuwait, Riyadh"/>	<input type="button" value="v"/>
NTP Server	<input type="text" value="pool.ntp.org"/>	

## 8. Logs

From here you can check XT-18AP logs.

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

Logs

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): udhcpd: 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): udhcpd: sending renew
2020/5/12 05:10:10	Notice	wan (1807): udhcpd: 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:xx:xx:xx:xx:xx:xx

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

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

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	192.168.1.68	00:DB:DF:3A:76:B3
<input type="checkbox"/>	6	192.168.1.61	8C:16:45:C1:7C:12
<input type="checkbox"/>	7	192.168.1.97	00:25:64:C7:32:52
<input type="checkbox"/>	8	192.168.1.231	D4:67:61:C7:03:01
<input type="checkbox"/>	9	192.168.1.25	40:B0:34:44:87:A4
<input type="checkbox"/>	10	192.168.1.69	30:24:32:95:9D:BD

1/2Page,Altogether 12 Item

### ADD ARP Binding ✕

IP Address

MAC

Network

Remarks

## 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	<input type="text" value="Disable"/>
Host IP	<input type="text" value="e.g:xxx.xxx.xxx.xxx"/>

## 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	<input type="checkbox"/>	Anti UDP attack	<input checked="" type="checkbox"/>
Anti SYN attack	<input checked="" type="checkbox"/>	Anti NULL scan	<input checked="" type="checkbox"/>
Anti FIN scan	<input checked="" type="checkbox"/>	Anti Xmas tree	<input checked="" type="checkbox"/>
Anti Sumrf	<input checked="" type="checkbox"/>	Anti Ping	<input type="checkbox"/>