

XT-1000AC

Wireless Access Point Controller & Multi-WAN Gateway

User Manual







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1 Log In

1. XT-1000AC is based on the browser's configuration interface. Connect your PC to XT-100AC LAN (Eth5) port, open your browser and input IP address as 172.16.0.1

2. Input user name " admin ", Password " xontel ". Then click LOGIN to get into the home page as below:

🕙 XonTel	×	+																																																																				
\leftrightarrow \rightarrow G	S 172.16.0.1/login.htm	tml																																																																				

	KonTel
	Username
	Password
	LOGIN

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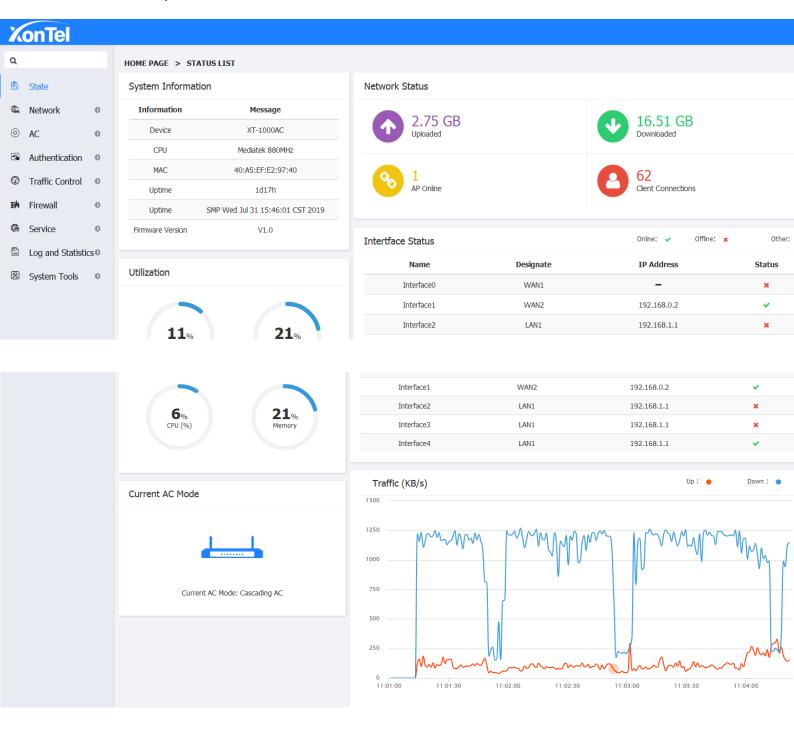
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2 State

After login, it will get into the state information page directly. It will show you basic hardware information, CPU and Memory utilization, Ethernet status and Traffic rate data





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3 Network

3.1 Interface Setting

The "eth0" is defaulted to be WAN port. "eth5" is defaulted to be LAN port and it cannot edit. The rest "eth1-eth4" is customized to be WAN port or LAN port. After designated the WAN port or LAN port, set up the internal network and outer network by "Local Network" and "WAN Settings".

1. Click "Interface Setting" and get into the its setting page as below:

										ሳ
HOME PAG	E > NETWORK	C > INTERTFAC	E SETTING							
Extra In	terface			Local Inter	ace			Free Interface		
No.	Designate	Interface	Action	No.	Designate	Interface	Action	No.	Interface	
1	WAN1	eth0.1	Ê	1	LAN1	eth0.5 eth0.3 eth0.4				
2	WAN2	eth0.2								
() inform	nation After interfa	ice assign,please go	to < LAN Settings >	or < WAN Setting:	s > to add detail conf	iguration.				
	Extra In No. 1 2	No. Designate 1 WAN1 2 WAN2	No. Designate Interface 1 WAN1 eth0.1 2 WAN2 eth0.2	No. Designate Interface Action 1 WAN1 eth0.1 2 WAN2 eth0.2 3 	Extra Interface Local Interface No. Designate Interface Action 1 WAN1 eth0.1 2 WAN2 eth0.2	Extra InterfaceLocal InterfaceNo.DesignateInterfaceActionNo.Designate1WAN1eth0.1I1LAN12WAN2eth0.2III	Extra Interface Local Interface No. Designate Interface Action No. Designate Interface 1 WAN1 eth0.1 Image: Contract of the state	No. Designate Interface Action 1 WAN1 eth0.1 Image: Construction of the state	No. Designate Interface Action 1 WAN1 eth0.1 Image: Construction of the state	No. Designate Interface Action Interface No. Designate Interface No. Interface Action Interface No. Interface Action Interface No. I

2. Click the "Edit" button to go into the "LAN1 Interface Settings" page, you can release free Ethernet ports. e.g eth0.4 is unchecked in below picture:

XonTel								(
٩	HOME PAG	e > Network >	LAN1 Interface S	ettings	×			
🕏 State	Extra Int	erface	Select All	physical interface	Status		Free Interface	
🕼 Network 🛛 👁	No.	Designate I	V	eth0.5	Оссиру	Action	No.	Interface
Intertface Setting	1	WAN1		eth0.3	Оссиру			
WAN Settings	2	WAN2		eth0.4	Оссиру			
LAN Settings					save			
DHCP Settings								
Balance	() inform	nation After interface ass	sign,please go to < LAN S	ettings > or < WAN Settings > to add detail co	onfiguration.			
VLAN Setup								



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3. Click the "Add" button to get into the "Extra Interface", Then go into the newly increased Local Interface page, tick to choose the INTERFACE which you want to add as below:

KonTel							
٩	HOME PAGE > NETWORK >	Add Local Interfa	aceLAN2	×			
🕏 State	Extra Interface	Select All	physical interface	Status	Add	Free Interface	
C Network O	No. Designate I		eth0.4	Free	Action	No.	Interface
Intertface Setting	1 WAN1			save	48	1	eth0.4
WAN Settings	2 WAN2	eth0.2					
LAN Settings							
DHCP Settings 🛛 🔍							
Balance	() information After interface ass	sign,please go to < LAN S	Settings > or < WAN Settings > to add detail confi	guration.			

4. Click "Save" and the Interface list which you add will appear in the local Interface as new Interface.

KonTel											
۹	HOME PAG	GE > NETWORK	C > INTERTFAC	E SETTING							
🕏 State	Extra In	terface			Local Inter	face			Free Interfac	e	
Network	No.	Designate	Interface	Action	No.	Designate	Interface	Action	No.	Interface	
Intertface Setting	1	WAN1	eth0.1		1	LAN1	eth0.5 eth0.3	/			
WAN Settings	2	WAN2	eth0.2	I	2	LAN2	eth0.4				
LAN Settings											
DHCP Settings	O inform	antion After Interfa		to a LAN Cattions a	or a WAN Cotting	is > to add detail config	untion				
Balance		nation Arter Interia	ice assign, piease go	to < Law Setungs >	OI < WAN Setung	is > to add detail cornig	urauon.				
VLAN Setup											
DNS Settings											
Static Route											
Directed Route											

5. Click "LAN Settings" to set up the LAN2's IP Address and Subnet Mask parameter.

KonTel		ወ
۹	HOME PAGE > NETWORK > LAN SETTINGS	
🕏 State	LAN1 LAN2	
🕼 Network 🗢		
Intertface Setting	MAC 40:A5:EF:E2:97:42	
WAN Settings	Static	
LAN Settings	IP Address 192.168.2.1	
DHCP Settings	IP Εχ: τοοιμοσικοσιμοσι	
Direr Detailige	Subnet Mask 255.255.255.0	
Balance	Enter Subnet Mask Info	
VLAN Setup	Allow access Close	
DNS Settings	Allow access Close	
Static Route	Save Cancel	
Directed Route		
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3.2 WAN Settings

In "WAN Settings" you can set up WAN Interface as DHCP Client, Static IP, PPPoE in connection types, it supports Clone MAC address.

1. DHCP: If the WAN Port achieve the IP automatically by the DHCP, you can use this connection type.

XonTel		ڻ ا
٩	HOME PAGE > NETWORK > WAN SETTINGS	
🕏 State	WAN1 WAN2	
📽 Network 🗢		
Intertface Setting	Line Number 1 C C 🗎	
WAN Settings	Name WAN1	
LAN Settings	Connection Type DHCP Client 🗸	
DHCP Settings 🛛 🔍 Balance	Static IP, DHCP or PPPoE	
VLAN Setup	Host Name	
DNS Settings	Host Name (Optional)	
Static Route	IP Address Auto IP	
Directed Route	Up 10	
Timing Redial	1-1000((Mbps))	
◎ AC	Down 10	
Authentication		

2. Static IP: Configure the Fixed IP, Subnet Mask, Default Gateway and DNS of the service.

X	onTel								
Q			HOME P	AGE > NETWORK >	WAN SETTINGS				
ŵ	State		WAN1	WAN2					
	Network	•							
	Intertface Setting					Line Number	1	🔹 💽 🔁 💼	
	WAN Settings					Name	WAN1		
	LAN Settings					Connection Type	Static IP	•	
	DHCP Settings	Ø					Static IP, DHCP or PPPoE		
	Balance					IP Address	195.226.72.53	0	
	VLAN Setup						IP Ex: x0x.x0x.x0x.x0x		
	DNS Settings								
	Static Route					Subnet Mask	255.255.255.248	-	
	Directed Route						Enter Subnet Mask Info		
	Timing Redial					Default Gateway	195.226.72.51	0	
_	-						Enter Gateway Info		
0	AC	0				main DNS	8.8.8.8	0	
	Authentication	0					IP Ex: x0x.x0x.x0x.x0x	-	





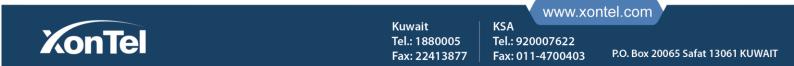


3. PPPoE: If choose this connection type, fill in the related User Name and Password of the service, the state will show connected after success authentication.

onTel				
		HOME PAGE > NETWORK > WAN SETTINGS		
State		WAN1 WAN2		
Network	•			
Intertface Setting		Line Number	1	0 C 🗎
WAN Settings		Name	WAN2	
LAN Settings		Connection Type	PPPoE .	
DHCP Settings	Ø		Static IP, DHCP or PPPoE	
		User Name:	QT96897595	٥
			PPPOE Username	
		Password	*******	0
			PPPOE Password	
Timing Redial		Service Name:	QT	•
AC	0		Service Name (Optional)	
		MTU	1500	
	State Network Intertface Settings UAN Settings DHCP Settings Balance VLAN Setup DNS Settings Static Route DNS Settings Static Route Timing Redial AC	State Network Netwo	Image: Second secon	State VMN1 VAN2 Network • Interface Setting: • VMN Settings • IAN SettiAnten

4. Click "+" to add multiple network connections on the same interface.

Z	onTel							
٩			HOME PA	ige > Ne	WORK > WAN SETTINGS			
ß	State		WAN1	WAN2				
G	Network	•						_
40	Intertface Setting	,				Line Number	1	· 💽 🖸
	WAN Settings					Name	WAN2	
	LAN Settings					Connection Type	PPPOE	
	DHCP Settings	0				Connection Type	Static IP, DHCP or PPPoE	
	Balance					User Name:	QT96897595	0
	VLAN Setup					Use halle.	PPDE Usemane	
	DNS Settings					Password	*********	0
	Static Route					Plaswing	PPPOE Pattsword	
	Directed Route					Service Name:	l or	0
	Timing Redial					Service Halle.	QT Service Name (Optional)	
0	AC	0				MTU	1500	
	Authentication	0				MID	1500 Range:128~1500 (Optional)	





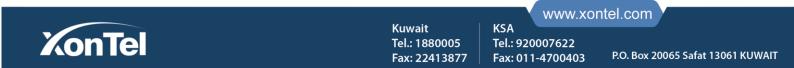


5. Click "Redial" button to redial the network line

X	onTel			
۹		HOME PAGE > NETWORK > WAN SETTINGS		
齿	State	WAN1 WAN2		
¢.	Network o			0
	Intertface Setting	Line Number	1 *	
	WAN Settings	Name	WANZ	
	LAN Settings	Connection Type	PPPoE *	
	DHCP Settings 0		Static IP, EHCP or PPPuE	
	Balance	User Name:	QT96897595	0
	VLAN Setup		PPPOE Usemame	
	DNS Settings	Password	******	0
	Static Route	T MARTIN M	PPPOE Password	
	Directed Route			•
	Timing Redial	Service Name:	QT Service Name (Optional)	0
			and the second se	

6. Click the delete button to delete unnecessary Internet lines. The first one cannot be deleted

onTel			
	HOME PAGE > NETWORK > WAN SETTINGS		
State	WAN1 WAN2		
Network o			_
Intertface Setting	Line Number	1	· 🖸 🖸 🗐
WAN Settings	Name	WAN2	
LAN Settings	Connection Type	PPPOE	
DHCP Settings ©		Static IP, DHCP or PPPoE	
Balance	User Name:	QT96897595	o
VLAN Setup		PPPOE Unername	
DNS Settings	Password	*******	0
Static Route		PPPOE Password	
Timing Redial	Service Name:	QT	0
		Service Name (Optional)	
AC 0	мти	1500	
Authentication 0		Range:178-1500 (Optional)	







3.3 Local Network Settings

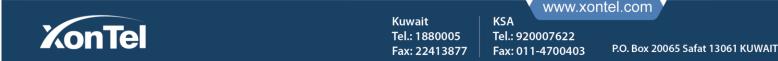
You can manually set each LAN Interface's IP Address and Subnet mask. The default IP address is 192.168.1.1

KonTel	
۹	HOME PAGE > NETWORK > LAN SETTINGS
🕏 State	LAN1
🕼 Network 🛛 🗢	
Intertface Setting	MAC 40:A5:EF:E2:97:40
WAN Settings	Static
LAN Settings	IP Address 192.168.1.1
DHCP Settings 🛛 🔍	IP Εκ: χοκιμοκιμοκιμοκι
Balance	Subnet Mask 255.255.0 •
VLAN Setup	Enter Subnet Mask Info
DNS Settings	Allow access Close
Static Route	Save Cancel
Directed Route	

3.4 DHCP Settings

DHCP Service: Here you can set up DHCP as Server, start IP Address number, DHCP Lease Time, Domain Name, Main DNS and Backup DNS. You can also disable DHCP function. (Attention: At the situation of disabled DHCP function, the device will not offer IP to client, and client need to manual setting the IP address)

KonTel		
۹	HOME PAGE > NETWORK > DHCP SETTINGS > DHCP SERVICE	
🕏 State	LAN1	
Construction Network		
Intertface Setting	DHCP	Server 💌
WAN Settings	DHCP Starting IP	2
LAN Settings		Ex : 172.16.0.xxx(Fill the last bit)
DHCP Settings 🔍	Max Clients	
DHCP Service Static List		Max Number of IPs to Allocate (1-32768)
Client List	DHCP Lease Time	120 (2 ~ 10080 Minutes)
Balance	Domain Name	XonTel
VLAN Setup		DHCP Domain (Ex : XonTel)
DNS Settings	Main DNS	192.168.1.1
Static Route		IP EX: XOXXXOXXXOXXOX
Directed Route	Spare DNS	8.8.8







Static List: The DHCP service can always assign the same IP address to a specific computer on your LAN. To be more specific, the DHCP service assigns this static IP to a unique MAC address assigned to each NIC on your LAN. You can add it in this place. Here you can install the compatible ARP binding information and also can add the PC or mobile device IP address to static allocation, then those devices will get the fixed IP.

KonTel								
Q		HOME PAGE > NETWO	DRK > DHCP SE	TTINGS > STATICLIST				
🕏 State		Messages List			Number per Page (10) 🔽 🕞 Delete ARP Binding	+ Add	ed
C Network	•	Select All	No.	Client IP	Client MAC	Client Name	Edit	
Intertface Setti	ng							
WAN Settings								
LAN Settings								
DHCP Settings	۰							
DHCP Service								
Static List								
Client List								

To add single static bind, click "Add" button in the static list and set up the Client IP and MAC.

KonTel		_			
Q	HOME PAGE > NETWORK >	Single Static Bind		×	
🕏 State	Messages List	Client IP			Delete ARP Binding Add
C Network	Select All No.		IP Ex: x00.x00x.x00x.x00x		Client Name
Intertface Setting		Client MAC			
WAN Settings			ΜΑΟ Εχ. χοροφοροφοσοσος		
LAN Settings		Client Name			
DHCP Settings			(Optional)		
DHCP Service				save	
Static List					
Client List					
Balance					
VLAN Setup					



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Client List: Here System will display the DHCP allocated CLIENT IP, CLIENT MAC, CLIENT NAME which are connected with the device. You can add any particular client IP to the static list by clicking "Add to Static List" button.

KonTel								ტ
Q	HOME PAGE > NE	TWORK > DHCP S	ETTINGS > CLIENT LIST					
🕏 State	Messages List				[Number per Page (10)	▼ Add to Static	: List C Refresh
🔍 Network 🔹 🗢	Select All	No. \$	Client IP	Client MAC	Client N	ame 🗢 Re	maining Time 🔶	Edit
Intertface Setting		61	192.168.1.79	00:0C:29:2E:EE	:4D wifi		01:03:19	8
WAN Settings		62	192.168.1.51	00:A8:59:F5:51	:0A *		01:02:34	8
LAN Settings		63	192.168.1.2	D4:67:61:21:F0	:B2 *		01:02:16	∞
DHCP Settings		64	192.168.1.92	A8:86:DD:8D:8	::3E MACBOOK	s-MBP	01:02:10	8
DHCP Service Static List		65	192.168.1.4	00:08:7B:16:AF	:A4 *		00:03:22	8
Client List						<	1 2 3 4	5 6 7 >
Balance								
VLAN Setup								
DNS Settings								

3.5 Balance

Balance: When the multiple ISP lines connected, choose balance strategy, choose corresponding rate as per their speed. The same or different ISP line will allocate the bandwidth by balance strategy.

HOME PAGE > NETWORK >	BALANCE		
Balance			
	Wan line	Balance	Weight:
	WAN1		1 -
	WAN2		1 -
		Save	Cancel

		V V	/ww.xontel.com	
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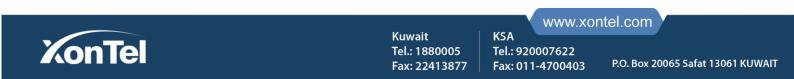
Multiline Route: Install purpose-play Netcom game through Netcom, play Telecom game through Telecom.



Custom ISP: If the list hasn't corresponding broadband ISP, you can add custom ISP. Collect the full ISP IP, add it according to the format then configure multiline route.

	DHCP Settings	ø			Save	Cancer		
	Balance			Custom ISP		×		
	VLAN Setup		Multiline Route					
	DNS Settings			ISP				
	Static Route				ISP Name		nce is diabled.)	
	Directed Route			ISP comment				
	Timing Redial				comment name not include chinese		Default Gateway	
0	AC	ø		Destination IP				
	Authentication	Ø						
					(Destination ip format is:leagal ip			
	Traffic Control	0			address or ip address/netmask,each line filled in one.)			
ΗŅ	Firewall	Ø						
6	Service	Ø	Custom ISP			save	Number per Page (10)	⊕ Add 🛗 Delete Sele
100	Log and Statistic	sø						
8	System Tools	o	Select All No. 🗢	ISP		÷	ISP comment	

Custom ISP			Number per Page (10) Add	前 Delete Selected
Select All	No. 🗘	ISP	\$ ISP comment	\$
	1	ହହ	QQ	
				< 1 >







Port division:

- 1. Traffic will go through the specific exit when the local network appointed IP wants to access some internet ports.
- Choose the appointed wan line you need, and enter the appointed IP in SOURCE IP. Enter your DESTINATION PORT.

Attention: At the normal situation, you cannot enter the DESTINATION IP and SOURCE PORT. When your local internet IP is specific, you will need to enter the DESTINATION IP.

Example: Let 443 shutting into WAN1.

Port division						Number per	Page (10) 🔻 🔂 Add	🛍 Delete Selected
Select All	No.	Proto	Wan line	Source IP	Destination IP	Source port	Destination port	Edit

					Disable	-d		-			
	Directed Route				Port division			×			
	Timing Redial										
	AC	0			Proto	ТСР	•				
	Authentication	Ø	Custom ISP					- 1	Number per Page (10)) 🔻 🔂 Add	🛍 Delete Selected
Ø	Traffic Control	ø			Wan line	WAN1 WAN2					
ΞÅ	Firewall	ø	Select All	No. 🗢	Source IP	192.168.1.49	•	- 1	ISP con		
	Service	Ø		1		IP Ex: x0x.x0x.x0x.x0x		- 1	Q	2	
	Log and Statistic	50			Destination IP		•	- 1			< 1 >
		0				IP Ex: x000.0000.0000		- 1			
	System Tools		Port division		Source port		0	- 1	Number per Page (10)) 🔻 🔂 Add	🛍 Delete Selected
						Port (1~65535)		- 1			
			Select All	No.	Destination port	443	0	æ	port	Destination port	Edit
						Port (1~65535)		- 1			
							sa	ve			

2. You can install local internet appointed IP in specific WAN line

Step: Protocol choose at random, Wan line choose appointed one you need, Source choose the appointed IP you need, Destination IP not need to write.



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3.6 VLAN Settings

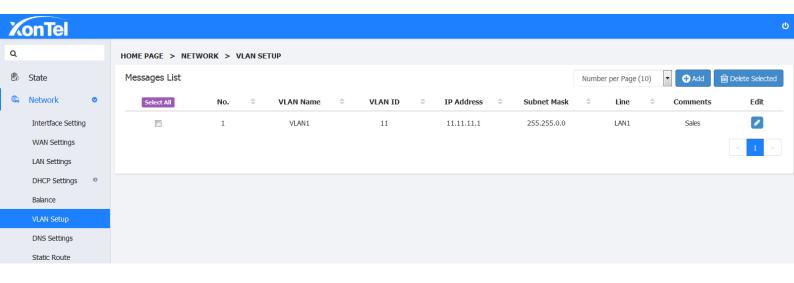
A VLAN is a group of devices on one or more LAN that are configured to communicate as if they were attached to the same wire, when in fact they are located on a number of different LAN segments. Because VLANs are based on logical instead of physical connections, they are extremely flexible.

VLAN SETUP;

Visit the VLAN SETUP page, click "add" on the upper right corner. Create a VLAN and set a virtual IP address.

VLAN ID: Virtual LAN ID number, used to distinguish between different VLANs

IP: This IP address is the address of this VLAN.



Note: The VLAN ID must correspond to the VLAN ID in the switch. The LAN port of the router directly connect to the trunk of VLAN switch.

3.7 DNS Settings

DNS Settings: DNS, or Domain Name System, is the mechanism by which a network device resolves a name like www.example.com to an IP address such as 198.51.100.25, or vice versa. Clients must have functional DNS if they are to reach other devices such as servers using their hostnames or fully qualified domain names. At the Static IP Mode, need to manual set up Main DNS and Secondary DNS. If you don't know your local DNS address, you can contact with your Internet Service Provider.

1. On Homepage Click "Network - DNS Settings" to enter the DNS setting interface, turn on the DNS switch



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XonTel					ტ
۹	HOME PAGE > NETWORK > DNS	SETTINGS			
🖏 State 🕼 Network 🔹 💿		DNS Switch	on O n		
Intertface Setting WAN Settings	Multi line DNS				
LAN Settings	Name	Main DNS	Spare DNS	State	Edit
DHCP Settings	WAN1	192.168.0.1	8.8.8.8	Enabled	
Balance	WAN2	213.34.192.210	213.34.192.211	Disabled	
VLAN Setup					
DNS Settings					
Static Route					
Directed Route					
Timing Redial					

2. Select the need to set the DNS line, click the Edit button, you can select DNS Switch as On or Off, enter the main DNS or secondary DNS, click Save.

KonTel		_				
٩	HOME PAGE > NETWORK >	DNS Setting		×		
🕏 State		DNS Status	Enabled			
🕮 Network 🗢			Static IP cannot be turned off			
Intertface Setting	Multi line DNS	Main DNS	192.168.0.1			
WAN Settings	Name		IP Ex: x0x.x0x.x0x		State	Edit
LAN Settings		Spare DNS	8.8.8.8		State	
DHCP Settings	WAN1		IP Ex: xox.xox.xox.xox		Enabled	
Balance	WAN2	Apply to all			Enabled	
VLAN Setup						
DNS Settings				save		
Static Route				_		
Directed Route						
Timing Redial						

3. Click "Apply to all lines" in the action box and click save to apply the current settings to all lines.

	,			J	
XonTel					c
۹	HOME PAGE > NETWORK > DNS	SETTINGS			
🕏 State					
🕮 Network 🗢		DNS Switch	ON ON		
Intertface Setting	Multi line DNC				
WAN Settings	Multi line DNS				
LAN Settings	Name	Main DNS	Spare DNS	State	Edit
DHCP Settings 0	WAN1	192.168.0.1	8.8.8.8	Enabled	
Balance	WAN2	192.168.0.1	8.8.8.8	Enabled	
VLAN Setup					
DNS Settings					
Static Route					



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3.8 Static Route

Static Route is a form of routing that occurs when a router uses a manually-configured routing entry, rather than information from a dynamic routing traffic. In many cases, static routes are manually configured by a network administrator by adding in entries into a routing table, though this may not always be the case.

X	onTel									¢
۹			HOME PAGE > NE	TWORK > STATI	C ROUTE					
Ê	State		Messages List					Number per Page (10)	▼ 🕂 Add	前 Delete Selected
()	Network	•	Select All	No.	Target IP	Subnet Mask	Gatewa	y	Interface	Edit
	Intertface Setting	1								
	WAN Settings									
	LAN Settings									
	DHCP Settings	Θ								
	Balance									
	VLAN Setup									
	DNS Settings									
	Static Route									
	Directed Route									
	Timing Redial									

XonTel			r						
Q		HOME PAGE > NETWORK >	Static Router Setting			×			
🕏 State		Messages List	Target IP	192.168.0.0	ø		Number per Page (10)	▼ ⊖ Add	间 Delete Selected
C Network	۲	Select All No.		IP Εχ: χοςχοςχοςχος			ау	Interface	Edit
Intertface Set	ting		Subnet Mask	255.255.255.0	•				
WAN Settings				Enter Subnet Mask Info					
LAN Settings			Gateway	192.168.0.1	0				
DHCP Setting	s ©			Enter Gateway Info					
Balance			Interface	WAN1	•				
VLAN Setup									
DNS Settings						save			
				_					
Directed Rou	e								
Timing Redial									
Timing Redial									



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3.9 Directed Route

Directed route means setting a fixed network flow direction and pointing data from one port to another fixed port instead of wide area.

1. Click on "Network- Directed Route" to enter the Directional Routing Settings page, click the "+Add" button, enter the start IP, end IP and destination line name, click Save. Set the start IP to end IP data. The flow direction is specified to wan1 and does not pass through other wan ports.

XonTel		r				
٩	HOME PAGE > NETWORK >	Directed Route Settings		×		
🕏 State	Messages List	Start IP			Number per Page (10)	ो Delete Se
 Network Intertface Setting WAN Settings 	Select All No.	End IP	IP Ex: x000.0000.0000 IP Ex: x000.0000.0000		Comments	E
LAN Settings		Line Name	WAN1			
Balance VLAN Setup		Comments	Maximum 32 characters			
DNS Settings				save		
Static Route						
Directed Route						

3.10 Timing Redial

Auto Redial: Set a specific time or a specific interval to allow automatic redialing of a WAN line which is DHCP Client or PPPoE.

1. Click "Network - Timing Redial" to enter the Timing Redial page

KonTel	٥
٩	HOME PAGE > NETWORK > TIMING REDIAL
🕏 State	Messages List
🕮 Network 🛛 🗢	Name Auto Redial Interval Redial Timed Redial Settings Edit
Intertface Setting WAN Settings	WAN2 OFF OFF
LAN Settings	
DHCP Settings 0	
Balance	
VLAN Setup	
DNS Settings	
Static Route	
Directed Route	
Timing Redial	
0	
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2. Click on the Edit button of one of the lines to pop up the operation box, enable the auto redial status, check the date, and click save after completing the time. As shown in the photo below, the WAN2 line automatically redials at 15:00hours every day.

X	onTel		r			
Q		HOME PAGE > NETWORK >	Timing Redial	×		
ß	State	Messages List	Name WAN2			
G	Network	Name	Auto Redial		Timed Redial Settings 🔶 Edit	
	Intertface Setting	WAN2				
	WAN Settings		ALLI MONI TUEI WEDI THUI FRII SATI SUNI		< 1 >	
	LAN Settings					
	DHCP Settings		Redial Time 15;00 C. : 00:00			
	Balance		ex.: 00:00			
	VLAN Setup		Interval Redial OFF			
	DNS Settings		Interval			
	Static Route		Interval(unit:m)			
	Directed Route			C21/0		
	Timing Redial			save		

X	onTel							¢
۹			HOME PAGE > NETWORK	> TIMING RED	IAL			
ß	State		Messages List					
C	Network	•	Name	\$	Auto Redial	\$ Interval Redial	\$ Timed Redial Settings	\$ Edit
	Intertface Setting		WAN2		ON	OFF	(Everyday)15:00Redial	
	WAN Settings							1 >
	LAN Settings							
	DHCP Settings	Ð						
	Balance							
	VLAN Setup							
	DNS Settings							
	Static Route							
	Directed Route							
	Timing Redial							



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3. To perform Interval Redial, Click on Edit button and Turn on Interval Redial, enter the interval restart time, click Save as shown below. After this setting WAN2 line will re-dial every 480 minutes (Every 8 Hours).

X	onTel								
Q			HOME PAGE > NETWORK >	Timing Redial			×		
Ô	State		Messages List	Name	WAN2		- 1		
¢	Network	0	Name					Timed Redial Settings	Edit
	Intertface Setting		WAN2	Auto Redial	OFF		_	(Everyday)15:00Redial	
	WAN Settings			Interval Redial	ON		- 1		1 >
	LAN Settings			Interval	480	•	- 1		
	DHCP Settings	ø			Interval(unit:m)		- 1		
	Balance								
	VLAN Setup						save		
	DNS Settings								
	Static Route								
	Directed Route								

2	onTel							ტ
c	ı	HOME PAGE	> NETWORK >	TIMING REDI	AL			
e	b State	Messages L	ist					
	Network 🔹		Name	\$	Auto Redial	\$ Interval Redial	\$ Timed Redial Settings	≑ Edit
	Intertface Setting		WAN2		OFF	480 min		
	WAN Settings							< 1 >
	LAN Settings							
	DHCP Settings 0							
	Balance							
	VLAN Setup							
	DNS Settings							
	Static Route							
	Directed Route							
	Timing Redial							



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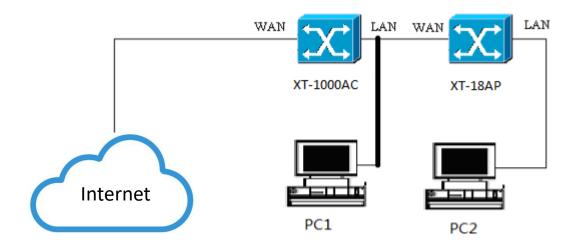




4 AC Control

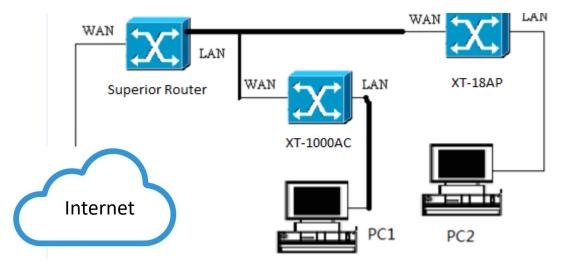
Cascading AC Mode

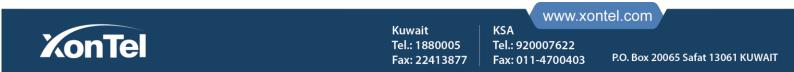
In Cascading AC mode, the Access Points (XT-18AP) connect with the XT-1000's internal network, and the connection way is XT-1000's LAN port connect with Access Point's WAN port as shown below:



By-Pass AC Mode

In By-Pass AC Mode Access Points (XT-18AP) and XT-1000AC connects with the same network. The connection way is the Superior Router's LAN port connects with the WAN port of XT-1000AC and XT-18AP. After the XT-1000AC and Xt-18AP consult successfully, you can visit XT-1000AC management page through XT-1000AC's WAN port IP.









4.1 Group

Here you can use the default group (For Mass APs Config) or create a new group, can setup 2.4GHz and 5.8GHz SSID, wireless advanced parameters.

1. Open the XT-1000AC's home page, go into AC Control's "Group" page as below:

X	onTel								
Q			HOME PAGE > A	C > GROUP					
Ġ	State					_			
¢	Network	ø	WLAN Group	Default Group		1	2.4GHz 5.8GHz Advan	ced	
0	AC	۲	2.4GHz WiFi						
	AC Control		Client Netwo	rk				_	
	Group								
	Members					Wireless			
	Upgrade					Hide SSID			
	Details					nue 3510	OFF		
	Authentication	Ø			Name/SSID	Encryption	Password/Key	VLAN	
3	Traffic Control	Ø			XonTel	WPA2-PSK	▼ xontel123	Disable 💌	Ð
EÅ	Firewall	Ø						_	_
•	Service	Ø	Admin Netwo	ork					
	Log and Statisti	cs⊘	Advanced						
	System Tools								
_	57500170015					Apply	Reset		

2. Click "+" button near WLAN Group and go into the add group wizard, Type Group Name as you like and click Next

X	onTel								
Q			HOME PAGE >	Add Group				×	
٢	State		WLAN Group	Group Name	2 2.4GHz 3	5.8GHz		Next	
¢,	Network	Θ	WEAN GIOUP						
	AC	۰	2.4GHz W		Group Name	XonTel			
	AC Control		Client Ne			Group Name			
	Group								
	Members								
	Upgrade					Hide SSID	OFF		
	Details					The SSID			
								_	
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3. Setup 2.4GHz relative parameter (SSID/Encryption Type/Password), click Next:

Add Group X	
State Image: Group Name Image	
Network SSID XonTel	
AC • 2.4GHz W	
AC Control Client Ne Encryption WPA2-PSK	
Group Password 12345678	
Members Upgrade Upgrade	
Detais	
Authentication Name/SSID Encryption Password/Key VLAN	
Image: Control ● XonTel WPA2-PSK ▼ xontel123 Disable	• 🕀

4. Setup 5.8GHz relative parameter (SSID/Encryption Type/Password)

X	onTel									
Q			HOME PAGE >	Add Group				×		
ß	State			1 Group Name 2	2.4GHz 3	5.8GHz		Back Apply		
C	Network	ø	WLAN Group		SSID	XonTel5GHz				
	AC	•	2.4GHz W			SSID				
	AC Control		Client Ne		Encryption	WPA2-PSK	•			-
	Group					[_			
	Members				Password	12345678 Password 8~32 Characters				
	Upgrade									
	Details									
	Authentication	ø		Na	me/SSID	Encryption	Password/Key	VLAN		
	Traffic Control	Ð		XonTel		WPA2-PSK	xontel123	Disable	• 🕀	



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5. Click "Apply" and it will go to "GROUP" page. Choose the group name which you set in wizard and you can view detail setup of that group.

1: Client Network: You can setup the NAME/SSID and PASSWORD/KEY for End Users.

X	onTel		
۹			HOME PAGE > AC > GROUP
Ê	State		
C	Network	ø	WLAN Group XonTel C C C 2.4GHz 5.8GHz Advanced
0	AC	•	2.4GHz WiFi
	AC Control		Client Network
	Group		
	Members		Wireless ON O
	Upgrade		Hide SSID OFF
	Details		
T	Authentication	ø	Name/SSID Encryption Password/Key VLAN
3	Traffic Control	ø	XonTel WPA2-PSK I2345678 Disable I
h	Firewall	ø	
6	Service	0	Admin Network +
	Log and Statistic	sø	Advanced +
	System Tools		Apply Reset

2: Admin Network: You can setup the NAME/SSID and PASSWORD/KEY for Admin Network.

X	onTel		
Q			HOME PAGE > AC > GROUP
Đ	State		
¢	Network	Ø	WLAN Group XonTel Image: Control of the second se
0	AC	•	2.4GHz WiFi
	AC Control		Client Network
	Group		
	Members		Admin Network -
	Upgrade		Wireless OFF
	Details		
	Authentication	Ø	Hide Admin SSID
Ø	Traffic Control	Ø	Name/SSID XonTel_ADMIN_2G
ΞÅ	Firewall	Ø	Name/SSID
•	Service	Ø	Encryption WPA2-PSK 🔻
	Log and Statist	icsØ	Password/Key 12345678
	System Tools		8~32 Characters
	System rools		Advanced
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3: Advanced-Here you can setup Country, Channel, Transmit Power etc. relative parameters.

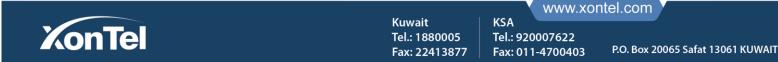
0	AC	۲	2.4GHz WiFi
	AC Control		Client Network
	Group		Admin Network
	Members		Advanced
	Upgrade		
	Details		Country: Europe -
.	Authentication	Ø	Channel auto 🔻
\bigcirc	Traffic Control	0	
=ø	Firewall	0	Transmit Power 100%
•	Service	0	Bandwidth 20MHz 🔹
LOS	Log and Statisti	cs⊘	Rekey 86400
8	System Tools	ø	Unit:s(600~604800) 0 to shut down
			Max WiFi Connections 256
			Max WIFI Connections 1~256
			Shortgi: ON
			Apply Reset

6. Inside Client Network click "+" sign to add multiple SSID. You can add extra 7 SSID both in 2.4GHz and 5.8GHz.

2.4G Multiple -SSID:

2.4GHz WiFi

	Wireless			
	Hide SSID	OFF		
Name/SSID	Encryption	Password/Key	VLAN	
XonTel	WPA2-PSK	xontel123	Disable	• 🕀
2	WPA2-PSK	123123123	Disable	- 🗆
3	NONE		Disable	• 🖯
4	NONE		Disable	• 🖯
5	NONE		Disable	• 🖯
6	NONE		Disable	• 🖯
7	NONE	·	Disable	• 🖯







5.8GHz Multiple -SSID:

5.8GHz WiFi

ent Network				
	Wireless	OFF		
	Hide SSID	OFF		
N	ame/SSID Encryption	Password/Ke	y VLAN	
XonTel5G	WPA2-PSK	▼ xontel123	Disable	Ð
2	WPA2-PSK	•	Disable	
3	NONE	•	Disable	
4	NONE	•	Disable	
5	NONE	•	Disable	
6	NONE	•	Disable	
7	NONE	•	Disable	

7. Click Advanced on top of the page, Advance WIFI Settings will open. Here you can Enable/Disable Wireless User Isolation to isolate wireless users. Also can setup Timed Restart or Interval Restart of the Access Points in that group.

WLAN Group	Default Group	• • •	1	2.4GHz	5.8GHz Ad	vanced			
Advanced									
Advanced WiF	i Settings								-
			Isolate	OFF					
			RTS:	2347					
				Unit:byte(0~2347)					
			Beacon:	100 Unit:ms(15~65535)					
			DTIM	2 Unit:s(1~255)					
WiFi Roaming	Cottings						_		+
Timed Restart									+



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4.2 Members

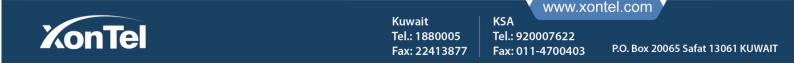
If there is multiple Access Points connect with XT-1000AC network, the managed device information will be shown on the Performance page. Click Management and here you can modify the corresponding device's wireless SSID, country, channel, transmitted power, wireless bandwidth, max-awaiting amount and alias.

1. Open WEB home page and go into AC Control's "Members" page, as below:

X	onTel												୯
۹			HOME PAG	E > AC > MEMBERS									
Ċ	State												(11)
¢.	Network	ø				Р	erformance Manage	ement		Disable au	to flush 🔹 🛢	Number per Pag	e (10) 🔻
0	AC	•	No. 🗖	MAC	IP Address	Client	Up/Down	SSID VLAN	Uptime	Status 🗘	Current Group	AP Location	State
	AC Control		1	D4:67:61:18:04:EC	192.168.1.5	25/0/25	21 GB/122 GB	Support	21d12h	Online	Default Group	Corridor_IN	: `
	Group		2	40:A5:EF:B2:E9:80	172.16.0.106	1/0/1	0 B/64 B	Support	37s	Offline	XonTel	Corridor_Out	: Ç :
	Members												1 >
	Upgrade												
	Details												
	Authentication	Ø											
	Traffic Control	0											
ыķ	Firewall	Θ											
•	Service	0											
	Log and Statisti	cs⊙											

2. Click on above picture's "Management" button and go into the managing page, as below:

X	onTel															ڻ ا
۹			HOME PAGE	> A	C > MEMBERS											
¢	State											Disable of	- 0 - L			(10)
¢.	Network	Ø					Репо	ormance Ma	anagement			Disable a	uto flush	• 3	Number per Page	(10)
0	AC	۲					Defaul	t Group 🔻	Move Group					Turn of	f LED light 👻	Reboot
1	AC Control		Select All	No.	мас 🗧	2.4GHz SSID	5.8GHz SSID	Capability	Transmit Power	Channel	Device	SW Version	Status	Current Group	AP Location	Edit
	Group			1	D4:67:61:18:04:EC	XonTel	XonTel5G	256/256	50%/100%	auto/auto	XT-18AP	V1.0	Online	Default Group	Corridor_IN	
	Members			2	40:A5:EF:B2:E9:80	XonTel	XonTel5G	255/256	50%/100%	6/auto	XT-18AP	V1.0	Offline	XonTel	Corridor_Out	2 🗎
	Upgrade														<	1 >
	Details															
	Authentication	Ø														
Ø	Traffic Control	Ø														
нð	Firewall	Ø														
•	Service	Ø														







3. Click below picture's "Edit" button so you can reconfigure the device's SSID, Country, Channel and TX Power etc. details as below:

X	onTel					r									
Q			HOME PAGE	> A	C > MEMBE	Single Device Setting				×					
ß	State						2.4GHz 5.8G	Hz Advanced							
¢	Network	ø									Disable	auto flush	• 3	Number per Page	(10)
	AC	۲				2.4GHz WiFi				_			Turn o	ff LED light 👻	Re
	AC Control		Select All	No.	MAC	Client Network				-	Version	⇒ Status≎	Current Group	AP Location ⇒	E
	Group			1	D4:67:61:18	:	Wireless				V1.0	Online	Default Group	Corridor_IN	ø
	Members			2	40:A5:EF:B2:	:	Hide SSID	OFF			V1.0	Offline	XonTel	Corridor_Out	ø
	Upgrade						Hide 3310							<	1
	Details					Name/SSID	Encryption	Password/Key	VLAN						
	Authentication	Ø				XonTel	WPA2-PSK 🔻	xontel123	Disable 🔻	Ð					
0	Troffic Control	0													

4. Click Admin Network

X	onTel					r						
Q			HOME PAGE	> A	C > MEMB	Single Device Setting	×					
ß	State					2.4GHz	5.8GHz Advanced	Disabl	e auto flush	• 0	Number per Page (10)) 🔽
¢.	Network	Ø				2.4GHz WiFi		Disabi			Number per Page (10	<i>"</i>
	AC	•				Client Network	+			Turn o	ff LED light 👻 Re	eboot
	AC Control		Select All	No.	мас		+	N Versio	n≎ Status≎	Current Group	AP Location ⇒ E	Edit
	Group			1	D4:67:61:18	Admin Network	-	V1.0	Online	Default Group	Corridor_IN	
	Members			2	40:A5:EF:B2	Wireless	OFF	V1.0	Offline	XonTel	Corridor_Out	ð
	Upgrade										< 1	>
	Details					Hide Admin SSID	ОН					
	Authentication	Ð				Name/SSID	XonTel_ADMIN_2G					
Ø	Traffic Control	Θ					Name/SSID					
ΞÅ	Firewall	ø				Encryption	WPA2-PSK					
•	Service	Ø				Password/Key	12345678					
	Log and Statistic	S€					8~32 Characters					



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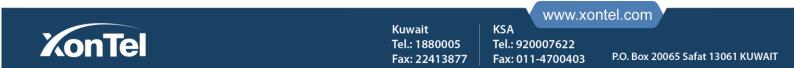


5.Click Advanced:

X	onTel									
Q			HOME PAGE > AC > MEMBI	Single Device Setting	×					
Ŵ	State			2.4GHz	5.8GHz Advanced	_				
¢	Network	Ø				Disable	auto flush	• 2	Number per Page	(10)
	AC	•		2.4GHz WiFi				Turn of	f LED light 👻	Reboot
	AC Control		Select All No. ⁴ MAC	Client Network	+	N Version	Status	Current Group	AP Location	Edit
	Group		🔲 1 D4:67:61:18	Admin Network	+	V1.0	Online	Default Group	Corridor_IN	
	Members		2 40:A5:EF:B2	Advanced	-	V1.0	Offline	XonTel	Corridor_Out	
	Upgrade			Country:	Europe				<	1 >
	Details									
	Authentication	Ø		Channel	auto					
©	Traffic Control	Ø		Transmit Power	50%					
НÅ	Firewall	Ø		Bandwidth	40MHz •					
()	Service	Θ								
	Log and Statisti	cs O		Max WiFi Connections	256 Max WiFi Connections 1~256					
×	System Tools	Ð		Shortgi:	08					

6. Move a device to different group: Select the devices you want to move to different group and choose the group name (XonTel) from the drop-down menu near "Move Group" button and then click on Move Group.

X	onTel															¢
۹			HOME PAGE	> A	C > MEMBERS											
Đ	State											2				(10)
C	Network	Θ					Pen	formance M	lanagement			Disable a	auto flush	• 2	Number per Page	e (10) 🔻
0	AC	•					XonT		Move Group					Turn of	f LED light 👻	Reboot
	AC Control		Select All	No.	MAC \$	2.4GHz SSID	5.8GH XonTel	: Group	Transmit Power	Channel	Device 🗘 S	W Version	Status	Current Group	AP Location	Edit
	Group			1	D4:67:61:18:04:EC	XonTel	XonTel5G	256/256	50%/100%	auto/auto	XT-18AP	V1.0	Online	Default Group	Corridor_IN	
	Members			2	40:A5:EF:B2:E9:80	XonTel	XonTel5G	255/256	50%/100%	6/auto	XT-18AP	V1.0	Offline	XonTel	Corridor_Out	🖉 💼
	Upgrade														<	1 >
	Details															
	Authentication	0														
	Traffic Control	0														







7. Click the LED light control button to turn off the LED light of the Access Points. Click again to open the LED light of the Access Points.

X	onTel															Q
۹			HOME PAGE	> AC	> MEMBERS											
Ċ	State						_									
	Network	Ø					Perfe	ormance Ma	anagement			Disable	auto flush	• 2	Number per Page	e (10) 🔻
0	AC	•					Defau	t Group 🔻	Move Group					Turn o	off LED light 🕞	Reboot
	AC Control		Select All	No. [▲]	MAC	2.4GHz SSID	5.8GHz SSID	Capability	Transmit Power	Channel	Device	SW Version	🗘 Status		on the LED light	Edit
	Group		V	1	D4:67:61:18:04:EC	XonTel	XonTel5G	256/256	50%/100%	auto/auto	XT-18AP	V1.0	Online	Default Group	Corridor_IN	
	Members			2	40:A5:EF:B2:E9:80	XonTel	Comfast5G	255/256	50%/100%	6/auto	XT-18AP	V1.0	Offline	XonTel	Corridor_Out	
	Upgrade														<	1 >
	Details															

4.3 Upgrade

Upgrade option can upgrade all Access Points at same time. You have to upload a firmware file and select the devices you upgrade.

1. Open XT-1000AC Upgrade page, as below:

X	onTel													ወ
۹			HOME PAGE > AC	> UPGRADE										
ß	State		Upload											
¢	Network	Ø				Status :		Firmware is not uploaded	ł					
0	AC	۰				C -b-t		Denver No. 61- and a						
	AC Control					Select		Browse No file selec	cted.					
	Group					Upl	bad	c	ancel					
	Members													
	Upgrade		Upgrade								Number per	Page (10)	🔻 🔅 Upgr	rade
	Details													
	Authentication	ø	Cancel All	No. 🗢	Device	\$ SW Version	\$	MAC	\$	SSID	\$ Group	\$	AP Location	\$
	Traffic Control	0		1	XT-18AP	V1.0		D4:67:61:18:04:EC		XonTel5G	Default Group		Corridor_IN	
	Firewall	Θ											< 1	



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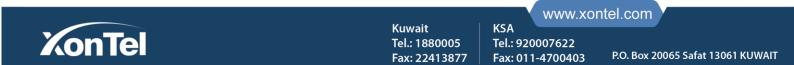


2. Click above picture's "Browse" button, choose the newest firmware which you want to upgrade for the Access Points, click "Upload" button "Firmware has been uploaded", as below:

X	onTel													ሳ
۹			HOME PAGE > AC	> UPGRADE										
¢	State		Upload											
¢,	Network	Ø				Status :		Firmware has been uplo	aded					
0	AC	۲				firmware name		XT-18AP V1.0.bin						
	AC Control					nimware name		X1 10/0 V1.0.Dit						
	Group					Select		Browse No file sele	cted.					
	Members					Upk	bad		Cancel					
	Upgrade													
	Details													
	Authentication	Ø	Upgrade								Number per	Page (10)	👻 🔅 Upgi	rade
	Traffic Control	ø	Select All	No. 🗢	Device	\$ SW Version	\$	MAC	\$	SSID	\$ Group	\$	AP Location	\$
EÅ	Firewall	ø		1	XT-18AP	V1.0		D4:67:61:18:04:EC		XonTel5G	Default Group		Corridor_IN	
6	Service	Ø											< 1	

3. Choose the AP devices which you want to upgrade, click the "Upgrade" button on the right, then the devices are on upgrading.

X	onTel													ወ
۹			HOME PAGE > AC	> UPGRADE	:									
Đ	State		Upload											
¢,	Network	Ø				Status :		Firmware has been upk	baded					
0	AC	۰												
	AC Control					firmware name	:	XT-18AP V1.0.bin						
	Group					Select		Browse No file sele	ected.					
	Members					Uplo	ad		Cancel					
	Upgrade													
	Details													
<u>-</u>	Authentication	ø	Upgrade								Number per	Page (10)	🝷 🔅 Upgi	ade
\bigcirc	Traffic Control	Ø	Cancel All	No. 🌲	Device	\$ SW Version	\$	MAC	\$	SSID	\$ Group	\$	AP Location	\$
₩ð	Firewall	ø		1	XT-18AP	V1.0		D4:67:61:18:04:EC		XonTel5G	Default Group		Corridor_IN	
6	Service	Ø											< 1	







4.4 Details

This function displays all terminal entries under XT-1000AC, including Access Points and wireless terminals connected to Access Points.

1. Login, enter the menu, AC Control-> Details.

							¢
HOME PAGE >	AC > DETAILS						
Details							
No.	MAC	IP Address	Client	Uptime	Device	SW Version	Current Group
1	D4:67:61:18:04:EC	192.168.1.5	29/0/29	22d7h	XT-18AP	V1.0	Default Group
	Details No.	No. MAC	Details No. MAC IP Address	Details No. MAC IP Address Client	Details No. MAC IP Address Client Uptime	Details No. MAC IP Address Client Uptime Device	Details No. MAC IP Address Client Uptime Device SW Version

2. Click on the AP entry, the details of the wireless terminals connected to the AP is displayed below

₿	State		Details								
¢,	Network	Ø	No.	м	IAC	IP Address	Client	Uptime	Device	SW Version	Current Group
0	AC	•	1	D4:67:63	1:18:04:EC	192.168.1.5	23/0/23	22d8h	XT-18AP	V1.0	Default Group
	AC Control		Term	inal IP	Terminal MAC	SSID	type	Signal(dBm)	Link time	Total Tx	Total Rx
	Group		192.1	58.1.72 D4	1:67	XonTel	2G	-46	4h39m	755 KB	429 KB
			192.1	58.1.18 D4	1:67	XonTel	2G	-44	2h32m	1 MB	888 KB
	Members		192.1	58.1.95 C8	:3D	XonTel	2G	-42	2h	13 MB	30 MB
	Upgrade		192.1	58.1.40 C0	:B6	XonTel	2G	-47	1h53m	4 MB	9 MB
	Details		192.1	58.1.24 34	4:2E	XonTel	2G	-50	1h32m	537 KB	939 KB
	Authentication	ø	192.1	58.1.30 D8	3:C4	XonTel	2G	-52	1h30m	587 KB	957 KB
			192.1	58.1.63 40):B8	XonTel	2G	-52	1h24m	6 MB	47 MB
\bigcirc	Traffic Control	Ø	192.1	58.1.33 D4	4:67	XonTel	2G	-50	59m56s	114 KB	67 KB
ΞÅ	Firewall	ø	192.1	.68.1.3 D4	4:67	XonTel	2G	-33	58m14s	528 KB	324 KB
G	Service	ø	192.1	58.1.94 7C	::67	XonTel	2G	-59	56m29s	4 MB	12 MB
			192.1	58.1.93 90):32	XonTel	2G	-51	40m23s	1 MB	2 MB
100	Log and Statistic	S⊙	192.1	.68.1.8 04	:D3	XonTel	2G	-50	27m1s	898 KB	988 KB
然	System Tools	ø	192.1	58.1.42 40	2:74	XonTel	2G	-58	19m31s	2 MB	2 MB
			192.1	58.1.36 OC	::9D	XonTel	2G	-55	15m44s	323 KB	686 KB
			192.1	58.1.10 D4	4:67	XonTel	2G	-60	1m43s	20 KB	17 KB
			192.1	58.1.16 40	C:3B	XonTel	2G	-32	14m23s	225 KB	27 KB
			192.1	58.1.59 D4	1:67	XonTel	2G	-32	13m50s	25 KB	34 KB



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5 Authentication

5.1 Local Auth.

5.1.1 OneKey Authentication

Onekey Authentication to authenticate online by clicking on the authentication button on the page

1. Login XT-1000AC and go into the home page," Network "-->" Interface Setting".

X	XonTel											
۹			HOME PAG	E > NETWORK	<pre>< > INTERTFAC</pre>	E SETTING						
ŵ	State		Extra In	terface			Local Inter	face	Free Interfac	Free Interface		
	Network	۲	No.	Designate	Interface	Action	No.	Designate	Interface	Action	No.	Interface
	Intertface Setting)	1	WAN1	eth0.1	Ŵ	1	LAN1	eth0.5 eth0.3 eth0.4 eth0.2	1		
	WAN Settings											
	LAN Settings											
	DHCP Settings	Ø	() inform	nation After interfa	ice assign,please go	to < LAN Settings >	or < WAN Setting	ıs > to add detail conf	figuration.			
	Balance											
	VLAN Setup											
	DNS Settings											
	Static Route											

2. In the Local Interface, click "Edit" button, uncheck the eth0.2 from the LAN1 Interface Settings page, then the eth0.2 port will be freed, later click "Save".

XonTel			o #	×			ወ
۹	HOME PAGE > NETWORK >	LAN1 Interface Settings X					
🕏 State	Extra Interface	Select All	physical interface	Status		Free Interface	
🕼 Network 🗢	No. Designate I	$\overline{\checkmark}$	eth0.5	Оссиру	Action	No. Interface	
Intertface Setting	1 WAN1		eth0.3	Occupy			
WAN Settings			eth0.4	Оссиру			
LAN Settings			eth0.2	Оссиру			
DHCP Settings	information After interface ass						
Balance				save			
VLAN Setup							



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3.Add a New Local Interface: Click "Add" in the local interface, and select the port you need to allocate to Interface LAN2 then click save.

Z	onTel										
					Add Local Interfa	aceLAN2					
Q			HOME PAGE > NETWORK >								
Đ	State		Extra Interface		Cancel All physical interface Status		Status	🔂 Add	Free Interface		
G	Network	۲	No.	Designate 1		eth0.2	Free	Action	No.	Interface	
	Intertface Setting]	1	WAN1			save		1	eth0.2	
	WAN Settings										
	LAN Settings										
	DHCP Settings	ø	() inform	nation After interface as	sign,please go to < LAN S	Settings > or < WAN Settings > to add detail con	figuration.				
	Balance										
	VLAN Setup										

4.Go into Network--Local Network to setup LAN2's local address.

X	onTel			
۹			HOME PAGE > NETWORK > LAN SETTINGS	
Ŵ	State		LAN1 LAN2	
¢.	Network C	•		
	Intertface Setting		MAC 40:A5:EF:E2:97:43	
	WAN Settings		Static	
	LAN Settings		IP Address 192.168.2.1	
	DHCP Settings	Ø	IP EX: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
	Balance		Subnet Mask 255.255.0 🗸	
	VLAN Setup		Enter Subnet Mask Info	
	DNS Settings		Allow access Close	
	Static Route		Save Cancel	
	Directed Route			



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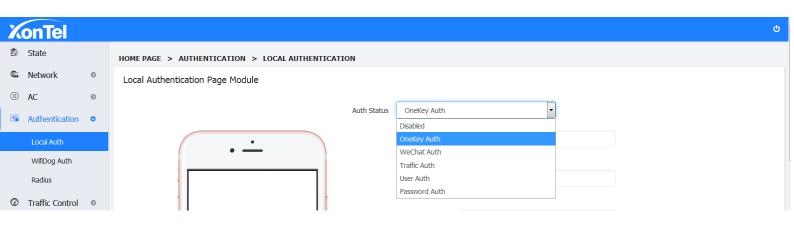
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5. Click "Authentication Settings - Local Authentication" and select "Onekey Auth" from the authentication status.



6. After you choose the Authentication type as One Key Auth, you can upload the ad image and fill in the link address(the link address need to fill in the full network address, such as https://xontel.com/).

X	onTel				ტ
	State		HOME PAGE > AUTHENTICATION > LOCAL AUTHENTICATION		
¢	Network	Ø	Local Authentication Page Module		
0	AC	Ø			
	Authentication	•	Auth Status	OneKey Auth	T
	Local Auth		•	HTML Title	XonTel WIFI
	WifiDog Auth		• —		HTML Title (Limit of 20 Characters)
	Radius			Advertisement	XonTel.com
3	Traffic Control	Ø		Title	Ad Tilde (Limit 20 Characters)
۳Ņ	Firewall	Ø		Wait Times	15
•	Service	Ø			Proposal 1~15(Units:Sec)
	Log and Statistic	60		Button Link	https://xontel.com/
				Address	Button Link (HTTP/HTTPS)
*	System Tools	Ø		oop the Follwing	https://xontel.com/
				Picture	
					https://xontel.com/ × Link (HTTP/HTTPS)



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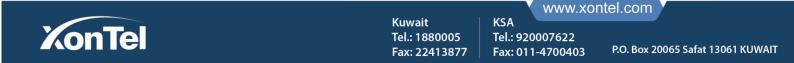




	0		https://xonte	
Static Picture1			Static Picture2	
	Upload Format (*.JPG,*.JPEG,*.PNG), Max Size is 500KB (Format 16:9)	I		Upload Format (*.JPG,*.JPEG,*.PNG), Max Size is 500KB (Format 16:9)
Link Address	https://xontel.com/product-detail/xon		Link Address	https://xontel.com/product-detail/ip-p
	Static Pic1 Link (http or https)			Static Pic2 Link (http or https)
Advertisement	XT-16W		Advertisement	XT-30G
Slogan	Static Pic1 Ad (Limit 10 Characters)		Slogan	Static Pic2 Ad (Limit 10 Characters)
Static Picture3			Static Picture4	
9	Upload Format (*.JPG,*.JPEG,*.PNG), Max Size is 500KB (Format 16:9)			Upload Format (*.JPG,*.JPEG,*.PNG), Max Size is 500KB (Format 16:9)
Link Address	https://xontel.com/product-detail/xt-1		Link Address	https://xontel.com/product-detail/ip-d
	Static Pic3 Link (http or https)			Static Pic4 Link (http or https)
Advertisement	XT-18P		Advertisement	XT-10P
Slogan	Static Pic3 Ad (Limit 10 Characters)		Slogan	Static Pic4 Ad (Limit 10 Characters)

7. Go to "Bind local interface" below the and select the newly created LAN2 to bind with Authentication and then Save.

Bind local interface	LAN2
Authentication time	720 Minute(1~10080)
MAC Whitelist	Add MAC address does not require authentication, multiple MAC addresses with a comma ";" please do not enter the space partition, for example, 00:E0:6F:29:46:46;00:E0:6F:29:46:47
	Save Cancel







8. After finishing setup, clients connected with LAN2 Port (Direct with LAN2 or through Access Point connected on LAN2)when open any website in browser local portal page will appear and click for "Internet Access" button ,wait for 10 seconds and system will allow access for internet.



5.1.2 WeChat Authentication

WeChat Authentication is authenticating through WeChat function.

1. Please refer to 5.1.1 1-4 steps to complete the follow-up operation, choose WeChat Authentication and go to WeChat authentication page, setup HTML title, ad title and static pic, then click save button.

X	onTel				
ß	State		HOME PAGE > AUTHENTICATION > LOCAL AUTHENTICATION		
C	Network	Ø	Local Authentication Page Module		
0	AC	Ø			
	Authentication		Auth Status	WeChat Auth	
	nuchenceution	Ť.,		Disabled	
	Local Auth		•	OneKey Auth	
			• —	WeChat Auth	
	WifiDog Auth			Traffic Auth	
	Radius			User Auth	
				Password Auth	
\bigcirc	Traffic Control	Θ			



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2. Setup relative parameters, choose LAN2(It has already been set at local portal), then click save button as below:

3. Once the setting is complete, use router's WAN port to connect with LAN2 of AC, setup obtain an IP address automatically, connect the router's WiFi by cellphone, after connection, open the browser and click any website then it will be popping the WeChat Authentication page as below:

Bind local interface	LAN2
Shop_id	
Appid	
Secretkey	
Authentication time	720
	Minute(1~10080)
MAC Whitelist	Add MAC address does not require authentication, multiple MAC addresses with a comma ";" please do not enter the space partition, for example, 00:E0:6F:29:46:46;00:E0:6F:29:46:47
	Save Cancel

4.Click "A Key to open the WeChat connect with Wi-Fi" on the screen, then it will go into WeChat connecting Wi-Fi page.

5.Click on "Connect immediately" button then it will show connecting Wi-Fi successfully and WeChat Authentication is finished and the cellphone can surf the Internet normally. All devices which connect through LAN2(such as the example's configuration is the physical port eth0.2) need to authenticate then only access the Internet.



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5.1.3 Traffic Authentication

Traffic Authentication: Restrict user re-authentication by restricting traffic

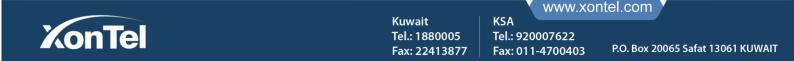
1. Please refer to 5.1.1 1-4 steps to complete the follow-up operation, choose Traffic Authentication and go to traffic authentication page, setup HTML title, ad title and static pic, then click save button.

X	onTel			
ŵ	State		HOME PAGE > AUTHENTICATION > LOCAL AUTHENTICATION	
	Network	0	Local Authentication Page Module	
0	AC	Ø		
	Authentication		Auth Status	Traffic Auth
	Authentication	•		Disabled
	Local Auth		•	OneKey Auth
			•	WeChat Auth
	WifiDog Auth			Traffic Auth
	Radius			User Auth
_				Password Auth
\bigcirc	Traffic Control	Ø		
				11/2 T

2. Setup relative parameters, choose LAN2(It has already been set at local portal), fill in the restricted traffic (e.g.: 1024), then click save button as below:

Bind local interface	LAN2	
Limitation of delivery	1024	0
Authentication time	720	
	Minute(1~10080)	
MAC Whitelist	Add MAC address does not require authentication, multiple MAC addresses with a comma "," please do not enter the space partition, for example, 00:E0:6F:29:46:46;00:E0:6F:29:46:47	
	Save Cancel	

3. Once the setting is complete, after connection thought Interface LAN2, open the browser and click any website then it will pop up the traffic authentication page, after the authentication Internet can be accessed. When the user uses more than 1024M of traffic, it will re-jump to the authentication page to re-authenticate.







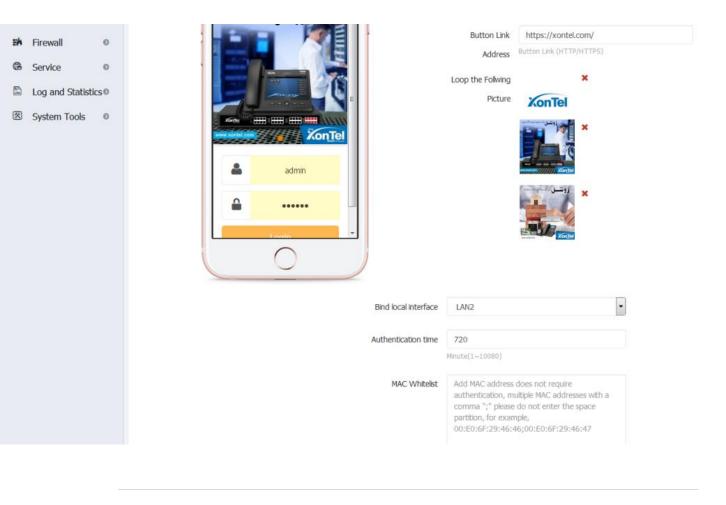
5.1.4 User Authentication

User Authentication: Authentication by account and password

1. Please refer to 5.1.1 1-4 steps to complete the follow-up operation, choose User Authentication and go to user authentication page, setup HTML title, ad title and static pic, then click save button.

X	onTel					ሳ
ß	State		HOME PAGE > AUTHENTICATION > LOCAL AUTHENTICATION			
¢	Network	Θ	Local Authentication Page Module			
0	AC	ø				
निर्म	Authentication		Auth Status	OneKey Auth		
	Authentication	°		Disabled		
	Local Auth		•	OneKey Auth		
			•	WeChat Auth		
	WifiDog Auth			Traffic Auth		
	Radius			User Auth		
				Password Auth		
Ø	Traffic Control	Θ				

2. Bind local interface LAN2 port (LAN2 has already been set at local portal), set the authentication duration, and then click the save button, as below:





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3. Add authentication user information at the bottom of the page, click the "+Add" button, enter the account username and password in the pop-up input box (e.g: ali/123456), click "Save"

Add authentication info			>
Username	ali		
Password	12345	56	
			save
MAC WI	nitelist	Add MAC address does authentication, multiple comma ";" please do no	MAC addresses with a

Messages Lis	t			Number per Page (10) 🔹 🗘 Add 🕅 Delete Selected	ो Import	🛍 Export
Select All	No.	Username	÷	Password	\$	Edit
	1	ali		123456		/
						< 1 >



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4.Once the setting is complete, after connection through LAN2, open the browser and click any website then it will pop up the Authentication page as below:



5. Enter the correct authentication password (such as: ali/123456), click on the login, automatically jump to the page after successful login, this time the certification is completed, you can normally access the Internet

6. You can import account information in batches by importing files. The file content format is:

username1 passwd1

username2 passwd2



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The file is encoded as ANSI or UTF-8 and does not support the Unicode format. Save as .txt suffix file. As shown below:

account - Notepad	
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp	
username1 passwd1 ali 123456 fouad 654321	
	Ŧ
	EL. ₹

Click the Import File button and select the file account.txt.

Authenticatio	n time 720	_
Import		×
Select	Browse account.txt	
		Upload

You can see that the user name and password were imported successfully, and the previously added account configuration will be overwritten, so before you import, you can export the previously added accounts in advance.

Messages Lis	t		Ν	Number per Page (10) • Add 🗎 Delete Selected	圇 Import	面 Export
Select All	No.	⇒ Username	÷	Password	\$	Edit
	1	username1		passwd1		
	2	ali		123456		
	3	fouad		654321		

Click Export File to export the current account information to the account.txt file.



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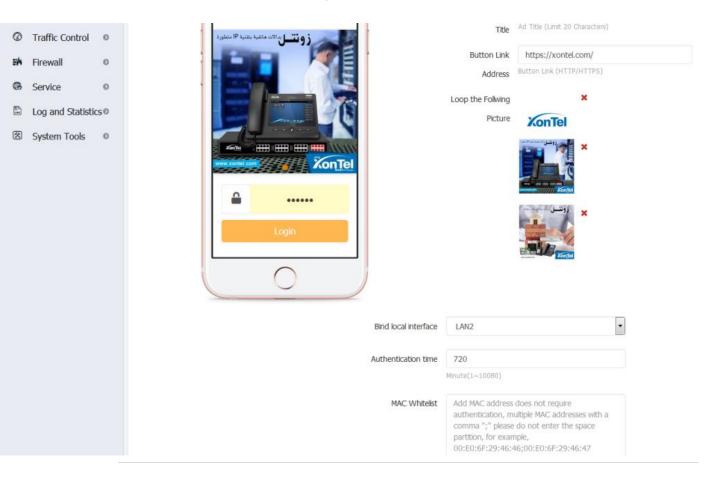
Ċ

5.1.5 Password Authentication

1. Please refer to **5**.**1**.**1 1**-**4** steps to complete the follow-up operation, choose Password Authentication and go to password authentication page, setup HTML title, ad title and static pic.

X	onTel						
₿	State		HOME PAGE > AUTHENTICATION > LOCAL AUTHENTICATION				
¢,	Network	ø	Local Authentication Page Module				
0	AC	Ø		_			
-			Auth	Status	User Auth	-	
	Authentication	0		1	Disabled		
	Local Auth				OneKey Auth		
			•	1	WeChat Auth		
	WifiDog Auth			1	Traffic Auth		
	Radius		XonTel.com		User Auth		
~					Password Auth		
٢	Traffic Control	0	ز و نتسل بنه شبکه اصالات متکاملة				
ΞÅ	Firewall	Ø			Button Link	https://xontel.com/	
24.7		-			Address	Button Link (HTTP/HTTPS)	
A	C 1	0					

2. Bind local interface- Select LAN2 port, set the authentication duration.





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3. Add the authentication password at the bottom of the page, click the "+Add" button, enter the authentication password in the pop-up input box (e.g: 123456), click "Save"

Add authentication info		×
Password	123456	
		save
	Minute(1~10080)	

Messages List		Number per Page (10) 🔹 🔂 Add	Delete Selected	圖 Import 圖 Export
Select All	No.	\$ Password	\$	Edit
	1	123456		
				< 1 >

4.Once the setting is complete, after connection through LAN2, open the browser and click any website then it will pop up the Authentication page as below:



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4. Enter the correct password (such as: 123456), click on the login, automatically jump to the page after successful login, this time the authentication is completed, you can normally access the Internet.

5. You can import account information in batches by importing files. The file content format is:

passwd1

passwd2

The file is encoded as ANSI or UTF-8 and does not support the Unicode format. Save as .txt suffix file. As shown below:





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Click the Import File button and select the file passwd.txt:

Import		×
	Select Browse passwd.txt	
		Upload

You can see that the passwords were imported successfully, and the previously added account configuration will be overwritten, so before you import, you can export the previous useful account in advance.

Messages List		Number per Page (10) 🔹 🔂 Add	前 Delete Selected 前 Import 前 Export
Select All	No. \$	Password	≑ Edit
	1	passwd1	
	2	123456	
	3	654321	
			< 1 >

Click Export File to export the current account information to the passwd.txt file.



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5.2 WifiDog Auth

1. Go to" Authentication" ---" WifiDog Auth", then choose the status as Enable setup relative parameters click save button.

X	onTel					
¢	State		HOME PAGE > AUTHENTICATION > WIFIDOG AUTH			
	Network	Ø				
0	AC	0	Enable	Status	Enabled	•
	Authentication	n 💿	d	oud ID	ffffffff40a5	
	Local Auth				SN	
	WifiDog Auth		Certified Cloud A	ddress	c.weifeinet.com	
	Radius				Certified Cloud Address	
Ø	Traffic Contro	Ø	Authenticatio	on Port	80	
ЕŃ	Firewall	Ø			Port (1~65535)	
НÅ	Firewall	Ø			,	
6	Service	ø	Authentication Path	/ Authentica	stion Bath	
LOS	Log and Statisti	CS₽			LUON Patri	
然	System Tools	Ø	Max Authentication	32 (1~5000)		
			MAC Whitelist Web Site Whitelist	authen comma partitio 00:E0: Add the multiple	C address does not require tication, multiple MAC addresses with a "," please do not enter the space n, for example, 5F:29:46:46;00:E0:6F:29:46:47 	
				Save	.at Cancel]

2.Open the browser in the local computer open the other website which are not in the "Website White list" system will pop up the authentication page.

3.Use device's MAC address to add to white list to open the browser and system will not pop up the authentication page in any websites.

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6 Traffic Control

6.1 QoS

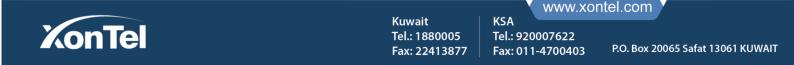
When there are many ISP lines connect to the device open the traffic switch setup every ISP line's upstream and downstream bandwidth by the real network situation.

1. Go to QoS page setup the relative parameters, fill in the actual UP/Down bandwidth according to the bandwidth of each external network, and click save button as below:

K	nTel									
۹			HOME PAGE > TRAFFIC CONTROL > QOS							
6	State									
G (Network	0			QoS		ON O			
0	AC	0	Bandwidth Setting							
3	Authentication	0	building setting							
0	Traffic Control	0			Qos Model	Balance			•	
j.	Q05			Wan line		Up			Down	
	IP Limit			WANI	U	2 1000	Mbps	Down	1000	Mbps
	LocalNet Monitor			WANZ	U	1000	Mbps	Down	1000	Mbps
	Firewall	0			10 million			_		
	Service	e				Save		Cance		
	Log and Statistic									
图 :	System Tools	0								

2. The line flow control mode can be adjusted according to the actual usage of the clients:

X	onTel									
٩			HOME PAGE > TRAFFIC CONTROL > QOS							
ß	State									
C .	Network	ø			Q05					
0	AC	0								
3	Authentication	0	Bandwidth Setting							
0	Traffic Control	•			Qos Model	Surff			•	
	QoS			Wan line		Balance			own	
	IP Limit			WAN1	Ur	Suff Down or Video			000	Mbps
	LocalNet Monitor					Custom				
ВÅ	Firewall	0		WAN2	Up	1000	Mbps	Down	1000	Mbps
G	Service	0				Save		Cancel		
۵	Log and Statistic	so								
医	System Tools	0								







6.2 IP Limit

System can control the uplink and downlink traffic of single user according to the IP address.

1. Go into the IP LIMIT page, add a single IP speed limit information, e.g. IP: 192.168.1.30, up and down rate are 256 and 256, then the user's uplink and downlink speed values should be same.

XonTel										
Q		HOME PAGE > TRAFF	IC CONT	Terminal Speed Limit			×			
🕏 State		Messages List		Status	Enabled	•	Number (per Page (10)	Add 💼	Delete Selecte
C Network	ø	Select All	No.				ontrol Mode	♦ Comments ♦	Status 🌲	Edit
⊚ AC	Ø		1	IP	192.168.1.25 IP or IP		Shared	Waleed	Enabled	
Authentication	Ø		2		Range(172.16.0.10-172.16.0.100		Shared		Enabled	
Traffic Control	۲		3	Upload Rate(KB/s)	256 Ex:100, Limit 100(KB/s)	0	Shared		Enabled	
QoS			4	Download Rate(KB/s)	256	0	Shared		Enabled	
IP Limit			5		Ex:100, Limit 100(KB/s)		Shared		Enabled	
🗱 Firewall	Ø		6	Control Mode	Shared	•	Shared		Enabled	
Service	ø		7	Comments			Shared		Enabled	
Log and Statisti	cs€		8		Maximum 32 characters		Shared		Enabled	
🖄 System Tools	ø		9			sa	/e Shared		Enabled	
			10	192.168.1.25	350	350	Shared		Enabled	

2. Speed Limit for Range of IPs: Go to the IP Limit page and add the IP range limit information, e.g. IP: 192.168.1.11-192.168.1.20, with 128 and 256 upstream and downstream respectively. The exclusive bandwidth is the independent speed limit setting for all users in the network segment. The bandwidth and the shared bandwidth are the bandwidths shared by all users in the network segment. In this case, the user's uplink and downlink rates are consistent with the speed limit values.

on	Tel			_						
		H	IOME PAGE > TRAFFIC		rminal Speed Limit		×			
~										
X	onTel									
۹			HOME PAGE > TRAFF	IC CONTRO	DL > IP LIMIT					
Ē	State		Messages List				IP Limit Switch 이	Number per Page (10)) 🔻 🛨 Add	🛍 Delete Selecti
¢,	Network	0	Select All	No.	¢ IР		Download Rate(KB/s) 🗘	Control Mode 🗘 Co	mments 🗘 Statu	s 🗢 Edit
0	AC	0		1	192.168.1.54	350	350		Waleed Enable	
-	Authentication	Θ		2	192.168.1.34	350	350	Shared	Enable	
	Traffic Control	•		3	192.168.1.53	350	350	Shared	Enable	
	QoS			4	192.168.1.55	350	350	Shared	Enable	d 🗾 🚺
	IP Limit			5	192.168.1.75	350	350	Shared	Enable	d 🗾 🚺
ЕŃ	Firewall	ø		6	192.168.1.78	350	350	Shared	Enable	d 🗾 🚺
	Service	0		7	192.168.1.243	350	350	Shared	Enable	d 🗾 🚺
	Log and Statistic			8	192.168.1.30	350	350	Shared	Enable	d 🗾 🚺
8	-	0		9	192.168.1.45	350	350	Shared	Enable	d 🗾 🚺
	,			10	192.168.1.11-192.168.1.20	128	256	Exclusive	Enable	d 🖉 👔



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6.3 LocalNet Monitor

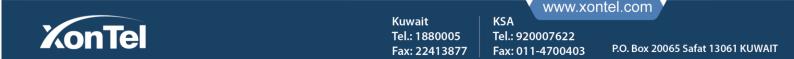
Real-time monitoring of each user's uplink and downlink rates and uplink and downlink total traffic, and will automatically update real-time, you can manually add each user to a single IP speed limit list to control a single user speed.

1.Go into LocalNet monitor page, each user corresponding to the uplink and downlink rate and the total flow is of the same line with the actual value.

X	onTel									ტ
۹			HOME PAGE	> TRAFFIC C	ONTROL > LOCALNET MONITOR	L				
ß	State		Messages	List					Number per Page (100)	C Refresh
.	Network	ø	No. 🕈	IP		Download Rate(KB/s)	Upload Bytes	Download Bytes 🗦	Online Time	≑ Edit
0	AC	ø	1	192.168.1.30	8.24 KB	11.56 KB	45.87 MB	68.63 MB	2019-12-09 09:19:31	
.	Authentication	ø	2	192.168.1.200	5.28 KB	4.63 KB	862.14 MB	501.59 MB	2019-12-02 17:09:10	
٢	Traffic Control	•	3	192.168.1.45	3.28 KB	10.09 KB	347.05 MB	2.51 GB	2019-12-04 09:42:58	20
	QoS		4	192.168.1.232	3.06 KB	729.00 B	1.71 GB	413.25 MB	2019-12-02 17:09:10	
	IP Limit		5	192.168.1.56	1.93 KB	20.52 KB	14.39 MB	121.50 MB	2019-12-09 09:08:18	
	LocalNet Monitor		6	192.168.1.27	1.28 KB	16.74 KB	12.78 MB	227.02 MB	2019-12-09 08:32:22	
	Firewall	Ø	7	192.168.1.36	1.25 KB	22.92 KB	10.57 MB	176.37 MB	2019-12-09 09:19:55	
6	Service	Ø	8	192.168.1.95	1.22 KB	3.49 KB	20.23 MB	319.90 MB	2019-12-09 08:57:07	
	Log and Statistic		9	192.168.1.54	1.14 KB	3.76 KB	11.66 MB	58.55 MB	2019-12-09 09:01:06	
×	System Tools	Ø	10	192.168.1.93	849.00 B	989.00 B	6.74 MB	11.88 MB	2019-12-09 09:22:27	 O
			11	192.168.1.52	816.00 B	14.00 KB	189.05 MB	4.86 GB	2019-12-04 08:53:54	
			12	192.168.1.3	789.00 B	4.08 KB	7.63 MB	25.93 MB	2019-12-09 08:55:21	
			13	192.168.1.19	705.00 B	2.57 KB	5.09 MB	28.18 MB	2019-12-09 09:00:53	

2. Click on the 'Edit' icon of any user, to setup single IP speed limit of that user:

X	onTel				-								
۹			HOME PAGE	> TRAFFIC CONT	Terminal Speed Limit			×					
ß	State		Messages	List	Upload Rate(KB/s)	100	Ø				Number per Page (100)	-	C Refresh
•	Network	Ø	No. 🔦	Ib 🍦	opoda Race(RD/3)	Ex:100, Limit 100(KB/s)		load	d Bytes		Online Time	÷	Edit
0	AC	0	1	192.168.1.30	Download Rate(KB/s)	100	•	3.63	МВ	2	019-12-09 09:19:31		
	Authentication	Ø	2	192.168.1.200		Ex:100, Limit 100(KB/s)		1.59) MB	2	019-12-02 17:09:10		
	Traffic Control	•	3	192.168.1.45				save .51	GB	2	019-12-04 09:42:58		
	QoS		4	192.168.1.232	3.06 KB	729.00 B	1.71 GB	413.25	5 MB	2	019-12-02 17:09:10		
	IP Limit	5	192.168.1.56	1.93 KB	20.52 KB	14.39 MB	121.50) MB	2	019-12-09 09:08:18			
	LocalNet Monitor		6	192.168.1.27	1.28 KB	16.74 KB	12.78 MB	227.02	2 MB	2	019-12-09 08:32:22		







3. An abnormal traffic user can be added to the black list to prevent the user from accessing the Internet.

_										
K	onTel									ტ
۹			HOME PAGE	> TRAFFIC CONT	Terminal Speed Limit			×		
₿	State		Messages	: List		you can add" 0C:9D:92:99:C1:9A		Number per Page (100)	C Refresh	
¢,	Network	Θ	No. 🔷	Ib 🔶		ou can add 00.90.92.99.01.9A	to the black list :	load Bytes 🗦	Online Time	⇒ Edit
	AC	ø	1	192.168.1.30				3.63 MB	2019-12-09 09:19:31	
	Authentication	Ø	2	192.168.1.200				1.59 MB	2019-12-02 17:09:10	
	Traffic Control	•	3	192.168.1.45	3.28 KB	10.09 KB	347.05 MB	2.51 GB	2019-12-04 09:42:58	
	QoS		4	192.168.1.232	3.06 KB	729.00 B	1.71 GB	413.25 MB	2019-12-02 17:09:10	
	IP Limit		5	192.168.1.56	1.93 KB	20.52 KB	14.39 MB	121.50 MB	2019-12-09 09:08:18	
art.	LocalNet Monitor		6	192.168.1.27	1.28 KB	16.74 KB	12.78 MB	227.02 MB	2019-12-09 08:32:22	
=0	Firewall	Ø								

7 Firewall

7.1 IP Filter

Here you must know the IP of the computer achieved and the device allocated and confirm that which computer achieved IP or IP segment need to filter forbid visit network base on the practical situation.

1.Click the home page "Firewall" and go into the IP Filter page as below:

XonTel		ሳ
Q	HOME PAGE > FIREWALL > IP FILTER	
🕏 State	Use IP Blackist	
🕼 Network 🛛 💿	Use IP Whitelist	
◎ AC		
Authentication O	Messages List Number per Page (10) 🔹 🗘 Add 🕅 Delete Selected	
③ Traffic Control	Select All No. Protocol Start IP End IP Comments Edit	
🗱 Firewall 🗢		
IP Filter		
MAC Filter		
URL Filter		
Port Filter		
Port Mapping		
DMZ Setting		
ARP Binding		
Attack Protection		



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2.Click "Add" and go into IP Filter's detail setup page setting the Black List IP segment range which you need then click "Save" as below:

X	onTel								
Q			HOME PAGE > FIREWALL >	Single IP Filtering			×		
Ŵ	State			Protocol	ALL	•			
	Network	Θ							
0	AC	0		Start IP	192.168.1.11	0			
			Messages List		IP Ex: xxx.xxx.xxxx.xxx			Number per Page (10)	🔁 Add 🛛 🛍 Dele
	Authentication	Ø		End IP	192.168.1.50	0			
Ø	Traffic Control	Ø	Select All		IP Ex: xxx.xxx.xxx.xxx			Comments	Edi
Eð	Firewall	•		Comments					
	IP Filter				Maximum 32 characters				
	MAC Filter								
	URL Filter						save		
	Port Filter								
	Port Mapping								
	DMZ Setting								
	ARP Binding								

3.Open the native's browser and it cannot open the website normally because the native IP:192.168.1.11 is in the IP Black List range:



Unable to connect

Firefox can't establish a connection to the server at www.yahoo.com.

- The site could be temporarily unavailable or too busy. Try again in a few moments.
- If you are unable to load any pages, check your computer's network connection.
- If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.

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Try Again



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4. Switch to the White list. Only users in the White list can access the Internet. Other users cannot access the Internet. (Use this option with caution)

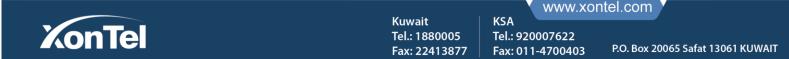
X	onTel								ტ
۹			HOME PAGE > FIREWALL >	IP FILTER					
ß	State				Use IP Blacklist				
	Network	Ø			Use IP Whitelist				
0	AC	ø							
	Authentication	Θ	Messages List					Number per Page (10) • Add	Delete Selected
Ø	Traffic Control	0	Select All	No.	Protocol	Start IP	End IP	Comments	Edit
ΞÅ	Firewall	٢							
	IP Filter								
	MAC Filter								
	URL Filter								
	Port Filter								
	Port Mapping								

7.2 MAC Filter

Here you must know the computer LAN card's MAC addres then enter the corresponding computer MAC address to block Internet in MAC Filter.

1. Login the router's WEB page go into the "MAC Filter" page in Firewall setup PC's MAC address which you want block and save the setting.

X	onTel							
۹			HOME PAGE > FIR	REWALL > MAC FILTER				
	State Network	Ø			Use MAC BlacklistUse MAC Whitelist			
	AC Authentication	0	Messages List			Number per Page (10)	🕂 Add	Delete Selected
	Traffic Control	ø	Select All	No.	MAC Address	\$ Comments	÷	
ΞÅ	Firewall	•		1	00:25:64:C6:7E:D0	MyPC		
	IP Filter							< 1 >
	MAC Filter							
	URL Filter							
	Port Filter							







2. Open the local browser. The filtered device cannot access the Internet normally.



3. Modify the MAC address whitelist mode. Only devices in the whitelist can access the Internet. Other devices cannot access the Internet. (Use this option with caution)

X	onTel					
Q			HOME PAGE > FIREWALL > MAC FILTER			
₿	State			☑ Use MAC Blacklist		
¢.	Network	Ø		Use MAC WhiteIst		
0	AC	Ø	Messages List		Number per Page (10) 🗸 🗘 Add	面 Delete Selected
	Authentication	Ø	Messages List		Number per Page (10) 🔹 🔂 Add	i Delete Selected
Ø	Traffic Control	Ø	Select All No.	MAC Address	Comments	Edit
Шģ	Firewall	•				
	IP Filter					
	MAC Filter					
	URL Filter					
	Port Filter					
	Port Mapping					
	DM7 Setting					



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7.3 URL Filtering

Here you can setup the website address to filter which you need and the saved address (URLs) cannot be accessed.

1. Login the router's WEB page click URL Filter in Firewall and enter "www.youtube.com" in the website filter.

	Ċ
HOME PAGE > FIREWALL > URL FILTER	
Messages List Image: O thttps://www.youtube.com	Number per Page (10) → Add m Delete Selected ···· ··· ··· ··· ··· ··· ···

()	Secure Connection Failed		
	An error occurred during a connection to www.youtube.com. PR_END_OF_FILE_ERROR		
	 The page you are trying to view cannot be shown because the authenticity of the received data could r verified. 	not be	
	Please contact the website owners to inform them of this problem.		
	Learn more		
	Τη	y Again	

2.Open browser and try to visit <u>www.youtube.com</u>, the PC cannot access the website but can visit other websites.

7.4 Port Filter

When in actual use, certain ports need to be filtered, the port filtering module allows some internal services to be used or prohibited by internal users by opening or closing some ports.



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1. On home page click on "Firewall-Port Filter" to enter the port filter page, click on the "+ Add" button to pop up into the port filter settings box:

X	onTel										C C	
۹			HOME PAGE > FIRE	WALL > POF	RT FILTER							
ß	State		Messages List						Number per Page (10)	▼ 🕂 Add	🛍 Delete Selected	
¢	Network	Ø	Select All	No.	Protocol	Source Start Port	Source Send Port	Destination Start Port	Destination Send Port	Comments	Edit	
0	AC	Ø										
	Authentication	Ø										
Ø	Traffic Control	Ø										
=ø	Firewall	•										
	IP Filter											
	MAC Filter											
	URL Filter											
	Port Filter											
	Port Mapping											
	DMZ Setting											

X	onTel						_	ტ
Q			HOME PAGE > FIREWALL >	Single Port Filtering			×	
₿	State		Messages List	Protocol	BOTH	•		Number per Page (10) 🔹 🗣 Add 📾 Delete Selected
¢.	Network	ø	Select All No.		BOTH / UDP / TCP			Destination Send Port Comments Edit
0	AC	Θ		Source Start Port	100	•		
	Authentication	Θ			Source Start Port			
Ø	Traffic Control	Ø		Source Send Port	150	•		
EŃ	Firewall	o			Source Send Port			
	IP Filter			Destination Start Port	300 Destination Start Port	•		
	MAC Filter							
	URL Filter			Destination Send Port	400 Destination Send Port	0		
	Port Filter			Comments	My	0		
	Port Mapping			Comments	Maximum 32 characters			
	DMZ Setting						_	
	ARP Binding					save		
	Attack Protection					_		
6	Service	Ø						



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2. Fill in the source port and the destination port (set according to the actual situation). The source port refers to the local port and the destination port is the remote port. Then click Save. After the setting is successful, filter the local port 100-150, remote port 300-400

X	onTel										e
۹			HOME PAGE > FIRE	WALL > PO	ORT FILTER						
Ŵ	State		Messages List						Number per Page (10)	▼	Delete Selected
C	Network	ø	Select All	No.		Source Start Port 🔅	Source Send Port \Rightarrow	Destination Start Port 👙	Destination Send Port	Comments	≑ Edit
0	AC	Θ		1	BOTH	100	150	300	400	Му	
	Authentication	Θ									< 1 >
3	Traffic Control	Θ									
ΞŃ	Firewall	•									
	IP Filter										
	MAC Filter										
	URL Filter										
	Port Filter										

7.5 Port Mapping

Port Mapping or **Port Forwarding** is an application of network address translation (NAT) that redirects a communication request from one address and **port** number combination to another while the packets are traversing a network gateway, such as XonTel XT-1000AC.

1. Login the XT-1000AC's Web page finish setup in the Firewall page.

XonTel	
Q	HOME PAGE > FIREWALL > PORT MAPPING
🕏 State	Messages List Number per Page (10) 🔽 🕄 Add 🕅 Delete Selected
C Network O	Select All No. No. Port Mapping Name Protocol Duter Port Inner Ip Inner Ip Liner Port Edit
◎ AC	
Authentication Ø	
🖬 Firewall 🔹	
IP Filter	
MAC Filter	
URL Filter	
Port Filter	
Port Mapping	
DMZ Setting	
ARP Binding	
Attack Protection	



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2. Click above picture's "+add" button go into the Single Port Filtering page setup the relative parameters.

X	onTel						_			
Q			HOME PAGE > FIREWA	LL >	Port Mapping Settings	;	×			
Đ	State		Messages List		Port Mapping Name	SIP		Number per Pa	ge (10) 🔽 🔂 Add	Delete Selected
0	Network	Ø	Select All	No.	Diretecel	вотн		Inner Ip	Inner Port	≑ Edit
0	AC	Ø		1	Protocol	вотн	1	92.168.1.200	5060	
	Authentication	Ø		2	Outer Port	5060	1	92.168.1.200	10000-20000	
Ø	Traffic Control	Ø		3		1-65535	1	92.168.1.200	6040	
≓Ás	Firewall	•		4	Inner Ip	192.168.1.200		92.168.1.200	5061	
						IP Ex: xxx.xxx.xxx.xxx	- 1			
	IP Filter			5	Inner Port	5060	1	.92.168.1.25	8090	
	MAC Filter					1-65535				< 1 >
	URL Filter									
	Port Filter				l	save				
	DMZ Setting									
	ARP Binding									
	Attack Protection									

3. Click save and go into the Massages List page and the port forwarding function is successfully configured (the port is mapped to the external network port 5060 to the internal network port 5060 on IP Address 192.168.1.200).

X	onTel															¢
۹			HOME PAGE > FIRE	VALL > POI	RT MAPP	ING										
8	State		Messages List								Number per	Page (10)	▼	1	Delete Selected	
•	Network	Ø	Select All	No.	\$	Port Mapping Name	¢	Protocol	\$ Outer Port	¢	Inner Ip	\$	Inner Port	¢	Edit	
0	AC	Ø		1		SIP		BOTH	5060		192.168.1.200		5060		 	
	Authentication	Ø														
Ø	Traffic Control	Ø														
₩Å	Firewall	۲														
	IP Filter															
	MAC Filter														< 1 >	
	URL Filter															
	Port Filter															
	Port Mapping DMZ Setting															
	ARP Binding															



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7.6 DMZ settings

A DMZ or demilitarized zone (sometimes referred to as a perimeter network or screened Subnet) is a physical or logical sub-network that contains and exposes an organization's external-facing services to an untrusted network, usually a larger network such as the Internet. You can place some server facilities which needs to be public in this small web area such as enterprise Web server, FTP server and forum, etc. On the other hand, through this DMZ area, it is more effectively to protect the internal network.

X	onTel				
۹			HOME PAGE > FIREWALL > DMZ		
Ô	State			_	
G	Network	ø	DMZ Feature	Enabled	
0	AC	ø	Host IP	192.168.1.240	0
T	Authentication	0		IP EX: X00.300.300	
0	Traffic Control	0		Save Cancel	
ΞŃ	Firewall	•			
	IP Filter				
	MAC Filter				
	URL Filter				
	Port Filter				
	Port Mapping	_			
	DMZ Setting				



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7.7 ARP Binding

The Address Resolution Protocol is a communication protocol used for discovering the link layer address, such as a MAC address, associated with a given internet layer address, typically an IPv4 address.

Attention: ARP Binding isn't a option of your device can receive the static IP, it can only receive it when you tick to choose compatible ARP binding list in DHCP static allocation.

XonTel

۹			HOME PAGE > FIREW	/ALL > AR	P BINDING									
ŵ	State		Messages List						N	umber per Page (100)	▼ 🕂 Add	前 Delete	Selected
e	Network	Ø	Select All	No.	\$	IP Address	\$ MAC	\$ Network	•	Comments	\$	Status	≑ Ε	dit
0	AC	ø		1		192.168.1.66	00:C0:EE:37:A6:16	LAN1				Unbound		8
	Authentication	Ø		2		192.168.1.47	D4:67:61:F3:01:9B	LAN1				Unbound		<u></u>
	Traffic Control	Ø		3		192.168.1.99	30:24:32:95:9D:BD	LAN1				Unbound		8
ΞŔ	Firewall	0		4		192.168.1.48	D8:C4:6A:C8:F3:CF	LAN1				Unbound	J	8
	IP Filter MAC Filter			5		192.168.1.29	00:25:64:9A:1A:E6	LAN1				Unbound		8
	URL Filter			6		192.168.1.81	D4:67:61:C8:07:25	LAN1				Unbound	Ø	8
	Port Filter			7		192.168.1.11	4C:3B:74:01:BD:E4	LAN1				Unbound		8
	Port Mapping			8		192.168.1.95	00:25:64:C6:7E:D9	LAN1				Unbound		8
	DMZ Setting			9		192.168.1.26	0C:89:10:C7:4F:61	LAN1				Unbound		8
	ARP Binding Attack Protection			10		192.168.1.8	0C:CD:ED:35:38:91	LAN1				Unbound		8
	ALLICK FIOLECUOI			11		192 168 1 74	48-RA-4F-37-D4-6D	I AN1				Unbound		S



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7.8 Attack Protection

A distributed denial-of-service (DDoS) attack is a malicious attempt to disrupt normal traffic of a targeted server, service or network by overwhelming the target or its surrounding infrastructure with a flood of Internet traffic. Attack Protection can effectively protect the network from attacks and protect the network security.

1. Go to the home page, click on "Firewall - Attack Protection" to enter the attack protection page, check the protection types, and click on Save:

X	KonTel												
Q			HOME PAGE > FIREWALL > ATTACK PROTECTION										
Đ	State												
	Network	ø	Anti ICMP Attack	Ar	nti UDP Attack								
0	AC	Θ											
	Authentication	0	Anti SYN Attack	✓ A	nti NULL Scan								
G	Traffic Control	Ø		_									
ΞŃ	Firewall	•	Anti FIN Scan	٩ 🔪	Anti Xmas Tree								
	IP Filter												
	MAC Filter		Anti Sumrf	~	Anti Ping								
	URL Filter		ICMP Rate Threshold	1000									
	Port Filter			1-5000									
	Port Mapping		UDP Rate Threshold	2000									
	DMZ Setting			1-5000									
	ARP Binding		SYN Rate Threshold	200									
	Attack Protection			1-5000									
6	Service	0		Save	Cancel	Ĺ							
EE LOE	Log and Statistic	s0											



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8 Service

8.1 DDNS Settings

DDNS supports dyndns, 3322, Oray three ways of domain name resolution. (Note: If the device is used as the primary router for PPPoE dial up, the source of the IP address is selected to resolve the network adapter. If you are using as the secondary or lower route, the source of the IP address here is to select the network) Add your domain name and password here:

X	onTel												ወ
Q			HOME PAGE > SERV	ICE > DD	NS SETTINGS								
ß	State		Messages List						Number	per Page (10)	▼	ᆒ Delete Selected	
•	Network	ø	Select All	No.	DDNS Enable \$\Rightarrow\$	Provider 🗧	Domain 🗘	User Name	Password/Key \$	IP Source	Interface	≑ Edit	
0	AC	ø		1	Enabled	dyndns.org	falan@xontel.com	user	pass	Interface	WAN1		
	Authentication	ø										< 1 >	
	Traffic Control	ø											
Ηð	Firewall	0											
•	Service	۲											
	DDNS Settings												
	Static DNS												
	Remote Managen	nent											

8.2 Static DNS

Sometimes it required to use some service from your home/office device through Mobile App, locally and remote. Static DNS useful in that case. Static DNS can map a local IP address of the device with a Domain name. So the mobile app can work with that domain name either in private WiFi network or on public network (4G/5G, Public WiFi)

X	onTel						ტ
۹			HOME PAGE > SER	VICE > STATIC DNS	:		
Ê	State		Messages List			Number per Page (10) Y + Add	Delete Selected
¢,	Network	Ø	Select All	No. \$	Domain	\$ IP Address	\$
0	AC	Ø		1	kuwait.gulfgate.com	192.168.1.200	
	Authentication	Ø					< 1 >
Ø	Traffic Control	Ø					
ЕŃ	Firewall	Ø					
6	Service	•					
	DDNS Settings						
	Static DNS						
	Remote Manager	nent					
	VPN Client	Ð					



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8.3 Remote Management Setting

Enterprise network administrators want to manage routers from anywhere on the network, allowing them to be managed and configured in real time and securely. Remote WEB management function can allow remote management of routers in the place of access to the Internet.

1. Click "Service - Remote Management" on the main interface of the XT-1000AC to enter the remote setup page, as shown below:

2. Enable the service, the port enters 1-65535 any one port, IP address default to remain empty, enter the specific IP only allow that particular IP remote access, do not enter any external network IP remote access, and then click Save.

X	onTel			ტ
Q			HOME PAGE > SERVICE > REMOTE MANAGEMENT	
₿	State		Remote Management	
¢	Network	ø	Switch	Enabled
0	AC	ø		
	Authentication	Θ	Port	80 Port (1~65535)
3	Traffic Control	ø	IP Address	
EÅ	Firewall	ø		IP EX. XOXJOOLJOOL (Only this IP will have Remote Access)
•	Service	•		
	DDNS Settings			Save Cancel
	Static DNS			
	Remote Manager	nent	Remote Control	

3. Enter the gateway of the upper-level route to set up the virtual server, IP is the WAN port IP of the XT-1000AC, and the port number of the external network port and internal network port is the same as the port number set on the remote management page.

Intertface Status		Online: 🗸 Offline: 🗙 Other:						
Name	Designate	IP Address	Status					
Interface0	WAN1	192.168.22.106	~					
Interface1	LAN2	192.168.3.3	~					
Interface2	LAN1	172.16.0.1	×					
Interface3	LAN1	172.16.0.1	×					
Interface4	LAN1	172.16.0.1	×					

4.After added, connect to the upper-level route, enter the WAN port address of the device in the browser: port number (such as "192.168.22.106:80"), press Enter, you can access the gateway of the device remotely.



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8.4 VPN Client

8.4.1 PPTP Client

PPTP Client: PPTP is Point to Point Tunneling Protocol. This protocol is a new enhanced security protocol which base on the PPP protocol, it support VPN,PAP and EAP, etc. enhanced security. It can also let the remote clients safety visit the enterprise network through dial-in ISP, directly connect the Internet or other network.

Use the PPTP client function, enabled the PPTP switch, enter the Username, Password and Server/IP, click "save" and finish the setting.

X	onTel						
Q			HOME PAGE > SERVICE > VPN CLIENT > PPTP CLIENT				
ß	State						
•	Network	Ø	PPTP S	Switch	Enabled	~	
0	AC	Ø	Userr	name	ali	•	
	Authentication	Ø			Username		
\bigcirc	Traffic Control	Ø	Pass	sword	123456	•	
нà	Firewall	Ø			Password		
•	Service	۲	Serv	ver/IP	62.132.45.48 Server/IP	•	
	DDNS Settings						
	Static DNS		Link S	status	Disabled		
	Remote Manager	nent	IP Ad	Idress	Other		
	VPN Client	۰			Save	cel	
	PPTP Client				-		



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8.4.2 L2TP Client

L2TP Client: L2TP is an industrial standard Internet tunneling protocol, the function is the same as PPTP protocol, such as it can also encryption for the network traffic.But it also have the different, such as PPTP require the network as the IP network,L2TP require point to point connection for the data packet. PPTP use the single tunnel, L2TP use multi-tunnels. L2TP provide header compression and tunnel verify,but PPTP not support it.

Use L2TP Client, enabled L2TP Switch, enter the username, password and server/IP, click save then finish the L2TP client function setting.

X	onTel				
۹			HOME PAGE > SERVICE > VPN CLIENT > L2TP CLIENT		
₿	State				
	Network	Ø	L2TP Switch	Enabled	ļ
0	AC	Ø	Username	ali	•
	Authentication	ø		Username	
	Traffic Control	ø	Password	123456	0
≡ð	Firewall	ø		Password	
6	Service	0	Server/IP	62.125.215.37 Server/IP	•
	DDNS Settings		Link Status	Disabled	
	Static DNS			Disabica	
	Remote Manager	nent	IP Address	Other	
	VPN Client	•		Save Cancel	
	PPTP Client				
	L2TP Client				



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8.5 VPN Server

VPN is Virtual Private Network, it built up a temporary, safety and simulated point to point connection through a public network (such as Internet). This is an information tunnel which pass through the public network, the data can safety transmitting in the public network through this tunnel. So the user can vividly call it "Network of Network".

8.5.1 PPTP Server

Go into PPTP Server setting page, enter VPN account and password, as below:

XonTel Q HOME PAGE > SERVICE > VPN SERVER > PPTP SERVER B State \sim PPTP server switch Enabled e Network Ø Server/IP 0 AC Ø Ø ServerIP 192.168.0.1 Authentication Ø TP Ext xxxxxxxxxxxxxxxx \bigcirc Traffic Control Ø 0 Start IP 192.168.0.20 IP Ex: xxx.xxx.xxx.xxx ΞÁ Firewall Ø 0 Service End IP 192.168.0.30 IP Ex: xxx.xxx.xxx.xxx DDNS Settings 0 Static DNS Main DNS 192.168.0.1 IP Ex: xxx.xxx.xxx.xxx Remote Management ø VPN Client Secondary DNS IP Ex: xxx.xxx.xxx (Optional) ۲ VPN Server MTU Optional/range value(128-1500) PPTP User MRU UPNP Setup Optional/range value(128-1500) 106 Log and Statistics®



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8.5.2 PPTP Server

Go into PPTP USER page, set up the user

XonTel					
۹	HOME PAGE > SER	RVICE > VPN SERVER > I	PPTP USER		
🕏 State	Messages List			Number per Page (10) 🗸 🔾	dd 🛛 ᆒ Delete Selected
🕮 Network 🛛 🛛	Select All	No. 🔶	Username	\$ Password	🗘 Edit
		1	youruser	yourpass	
Authentication 🛛					< 1 >
③ Traffic Control					
🗰 Firewall 🛛 🛛					
Service					
DDNS Settings					
Static DNS					
Remote Management					
VPN Client O					
VPN Server 🔍					
PPTP Server					
PPTP User					

3. Setup a VPN connection in laptop which is on different network, enter the user name and password added by PPTP, test the connection, and get the specified IP address.



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8.6 UPNP Settings

UPnP is a variety of intelligent devices, wireless devices and PC to realize peer to peer network connection (P2P) structure throughout the world. UPnP is a distributed and open network structure.

X	onTel										Q
Q			HOME PAGE >	SERVICE > UPNP SET	UP						
¢	State		Messages List Number per Page (100) VIPNP Feature ON								
e	Network	ø	No.	Protocol	\$	IP Address	¢	External Port	٢	Internal Port	Description
0	AC	Θ	1	ТСР		192.168.1.44		34001		38341	DIRECT_REVERSE_SERVER
	Authentication	ø	2	UDP		192.168.1.38		56066		56066	WhatsApp
	Traffic Control	Ø	3	UDP		192.168.1.38		45874		45874	WhatsApp
			4	UDP		192.168.1.65		51500		51500	WhatsApp
НÅ	Firewall	Θ	5	UDP		192.168.1.95		63314		63314	WhatsApp
•	Service	0	6	UDP		192.168.1.70		58618		58618	WhatsApp
	DDNS Settings										< 1 >
	Static DNS										
	Remote Managen	nent									
	VPN Client	Θ									
	VPN Server	ø									
	UPNP Setup										



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9 Log and Statistics

9.1 Log

Here you can view the system's working status when the device is working.

1.Go to WEB Interface and go to Log and Statistics-Log page, click "GET LOG" button, then the page will refresh the log details every moments, as below:

KonTel									
٩			HOME PAGE > LOG AND STATISTICS > LOG						
¢	State								
6	Network	ø			GET LOG				
0	AC	ø	Date	Level	Log				
	Authentication	ø	2020/1/6 16:25:31	Info	DHCPREQUEST for 192.168.1.87 (192.168.1.1) from d4:67:61:c8:07:03 via br-lan: database update failed				
Ø	Traffic Control	Ø	2020/1/6 16:25:31	Info	Wrote 93 leases to leases file.				
=A		0	2020/1/6 16:25:29	Info	DHCPACK on 192.168.1.22 to d4:67:61:c8:06:f8 via br-lan				
=0	Firewall	Ø	2020/1/6 16:25:29	Info	DHCPREQUEST for 192.168.1.22 (192.168.1.1) from d4:67:61:c8:06:f8 (android-cc8faa0cee33eae7) via br-lan				
6	Service	Ø	2020/1/6 16:25:29	Debug	reuse_lease: lease age 3 (secs) under 25% threshold, reply with unaltered, existing lease				
	Log and Statistic	S♥	2020/1/6 16:25:26	Info	DHCPREQUEST for 192.168.1.22 (192.168.1.1) from d4:67:61:c8:06:f8 via br-lan: database update failed				
	Log		2020/1/6 16:25:26	Info	Wrote 93 leases to leases file.				
	Status Chart		2020/1/6 16:24:38	Error	CGI error: -32601/Method not found				
×	System Tools	Ø	2020/1/6 16:24:37	Info	User admin/xontel authorized OK				
]	System roois		2020/1/6 16:24:37	Info	DHCPACK on 192.168.1.10 to 00:08:7b:16:af:a4 via br-lan				
			2020/1/6 16:24:37	Info	DHCPREQUEST for 192.168.1.10 from 00:08:7b:16:af:a4 (IPDECT00087B16AFA4) via br-lan				
			2020/1/6 16:24:37	Debug	reuse_lease: lease age 60 (secs) under 25% threshold, reply with unaltered, existing lease				
			2020/1/6 16:24:36	Error	CGI error: -32002/Access denied				
			2020/1/6 16:24:16	Info	Wrote 93 leases to leases file.				
			2020/1/6 16+24+0E	Info	NUCRACK on 103 169 1 17 to stript this 27750 uis hr bn				



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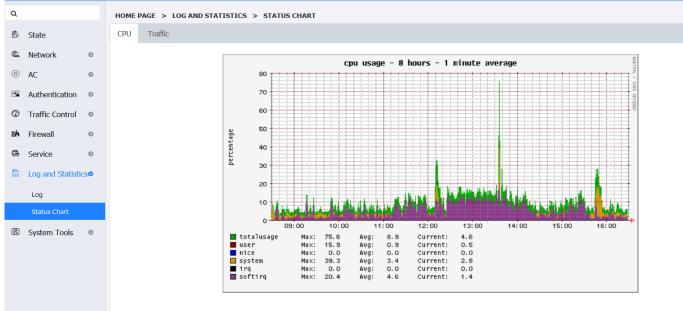




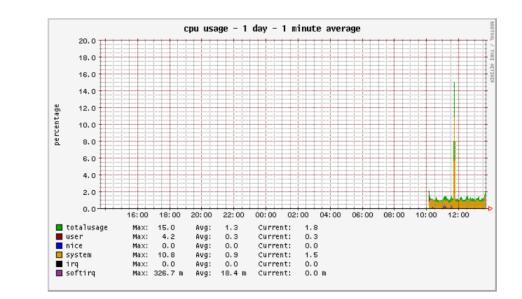
9.2 Status Chart

Historical Statistics

1.CPU: here record the CPU usage information when the devise working 8 hours, one day and one week.



CPU Utilization (Last 8 Hours)



<8 Hours>

CPU Utilization (Last 1 Day)

<One Day>



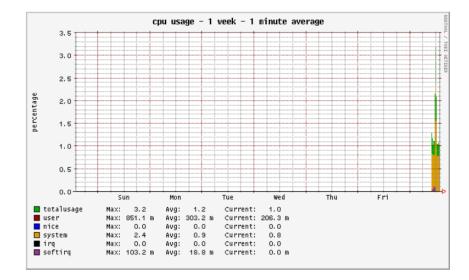
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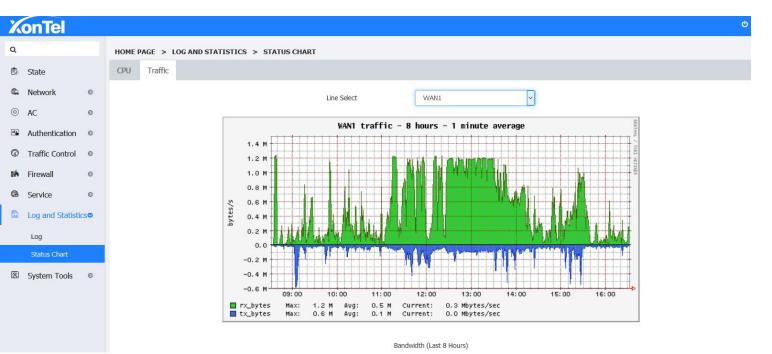




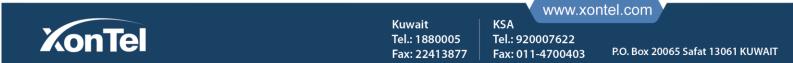
CPU Utilization (Last 1 Week)

<One Week>

2.Traffic: Here record the traffic status information when the devise working 8 hours, one day and one week.

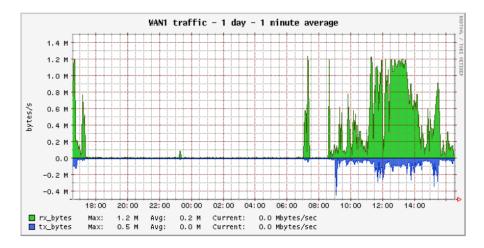


<8 Hours>



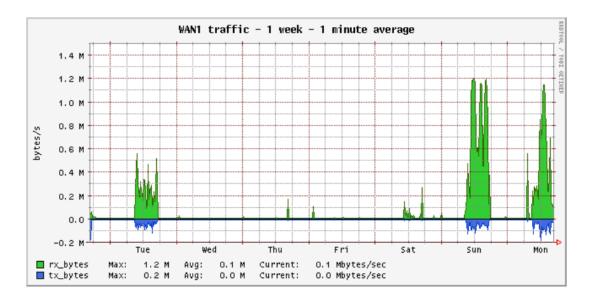
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Bandwidth (Last 1 Day)

<One Day>



Bandwidth (Last 1 Week)

<One Week>



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10 System Tools

10.1 System upgrade

Download the latest XT-1000AC firmware from the website <u>https://xontel.com</u>, download and save it on the computer. Go into the system upgrade page, click Browse to choose the firmware file you had downloaded in this page. Then click "Upgrade Firmware " button to upgrade.

XonTel				ሳ
Q	HOME PAGE > SYSTEM TOOLS > SYSTEM UPGRADE			
🕏 State	Local upgrade			
C Network O		Firmware Version	XT-1000AC-V1.0	
AC O				
Authentication 🛛		Select	Browse No file selected.	
③ Traffic Control		Upgrade Firmware	Cancel	
🖬 Firewall 🛛 🔊				
Service 0				
Log and Statistics				
🖄 System Tools 🔹 👁				
System Upgrade				
Manage Config				

10.2 Manage Config

Backup Config: After you configure the device's parameters, you can click "download" button to save the configure parameters in file to be used later.

Xo	nTel			ወ
Q			HOME PAGE > SYSTEM TOOLS > MANAGE CONFIG	
🕏 St	tate		Backup Config File	
🕮 Ne	etwork	ø	Download	
A A A	с	ø		
🖪 Au	uthentication	0	information Press 'Download' Button. Choose File Location.	
🕼 Tr	raffic Control	Θ		
👪 Fi	irewall	ø	Update Config	
🕒 Se	ervice	0	Select Browse No file selected.	
🗟 Lo	og and Statistic	50	Upload Cancel	
🐼 Sy	ystem Tools	•	upleu Carle	
S	System Upgrade		1 information Press button, the system will restore the configuration to the uploaded backup file.	
N	Manage Config			
R	Reboot		Parton Fator Catting	
P	Password Setting		Restore Factory Settings	
т	Time Setting		Restore Factory Settings	
P	PING		A information Pressing the 'Restore Factory Settings' Button will Reset Device.	







1. Go into the configure backup page, click the configuration backup's "download" button.

HOME PAGE > SYSTEM TOOLS > MANAGE CONFIG	
Backup Config File	
	Download
() information Press 'Download' Button. Choose File Location.	

2. Select the path to save the configuration, and then click OK, the current configuration has been saved on the local computer.

Update Config: If you need to change the configure temporary or the device was restored the default settings, you can select to choose the configure file that you save before.

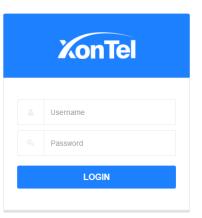
1. Choose the configure file that you save before, Click "Upload" button to restore.

Update Config			
	Select	Browse bakup.file	
	Upload	Cancel	
() information Press button, the system will restore the configura	ation to the uploaded backup	file.	

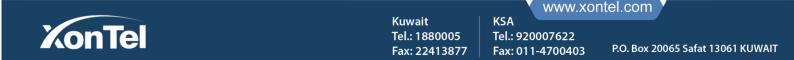
2. Click "Upload" and after a while system will popping the interface to login again.

$(\leftarrow) \rightarrow \mathcal{C} \square$	(←)	\rightarrow	G	۵	
--	-----	---------------	---	---	--

🛛 🔏 192.168.1.1/login.html



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Restore Factory Settings: If you want to reset the device to its factory default, you can click "Restore Factory Settings" button at the bottom of the Manage Config page.

1. Go to the Manage Config page, click "Restore Factory Settings"

Restore Factory Settings		
	Restore Factory Settings	
A information Pressing the 'Restore Factory Settings' Button will Reset Device.		

2. System will pop the notice information, configuration will set to factory defaults, please wait for <180> seconds and Do Not disconnect the power.

3. 3 minutes later system will automatic interface to login again, it is success to restore factory settings.

\leftarrow \rightarrow C' \textcircled{a}	🖸 🔏 192.168.1.1/login.html	Q	… ⊠ ☆	⊥ III



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10.3 System Reboot

10.3.1 Timed Restart

1. Go into the System Tools- Reboot page, you can On or Off scheduled reboot, select or remove the restart days of week, input the restart time click Save.

XonTel		e
Q		HOME PAGE > SYSTEM TOOLS > REBOOT
🕏 State		Timed Restart
C Network	0	Timed Restart Switch
⊚ AC	ø	_
Authentication	ø	ALL MON TUE WED THU FRI SAT SUN
Traffic Control	Θ	Restart Time 04:00
🗰 Firewall	Θ	ex.: 00:00
Service	0	Interval Restart O OFF
Log and Statistic	sø	Save Cancel
🖄 System Tools	•	
System Upgrade		Delege New
Manage Config		Reboot Now
Reboot		Reboot Now
Password Setting Time Setting		Warning Pressing the 'Reboot' Button will Reboot Device.
PING		

2. After this setup the device will restart automatically on the days and time your setup above.

Interval Restart: Go into the System Tools-reboot page, you can set up an interval Restart. Turn On the Interval Restart, input the interval restart time, click Save. As shown below the device restarts every 6 hours.

KonTel	ტ
۹	HOME PAGE > SYSTEM TOOLS > REBOOT
🕏 State	Timed Restart
C Network O	Timed Restart Switch
◎ AC	
Authentication O	Interval Restart 🛛 💿
Traffic Control	Interval 6
🗰 Firewall 🛛 💿	Interval(unit:h)
Service o	Save Cancel
Log and Statistics	
🗷 System Tools 🔹	Reboot Now
System Upgrade	Reboot Now
Manage Config	
Reboot	A Warning Pressing the 'Reboot' Button will Reboot Device.
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10.3.2 Reboot Now

1. If system required immediate restart go into the System Tools-Reboot page, click "Reboot Now" button.

X	onTel			ሳ
Q			HOME PAGE > SYSTEM TOOLS > REBOOT	
ß	State		Timed Restart	
C	Network	ø	Timed Restart Switch	
0	AC	0		
	Authentication	Θ	Interval Restart 🕜	
3	Traffic Control	ø	Interval 6	
вð	Firewall	0	Interval(unit:h)	
•	Service	0	Save Cancel	
E LOS	Log and Statistic	s●		
8	System Tools	•	Reboot Now	
	System Upgrade		Reboot Now	
	Manage Config			
	Reboot		A Warning Pressing the 'Reboot' Button will Reboot Device.	
	Password Setting			

2. Wait for 1 minute for the system to come up again.



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10.4 Password Setting

Here you can change the Admin Password. After setting you need to use the new password to login.

1. Go into System home page and go to System Tools "Password Setting" page as below:

X	onTel			
Q			HOME PAGE > SYSTEM TOOLS > PASSWORD SETTING	
Đ	State			
¢,	Network	0	Old Password	Old Password
0	AC	0		
	Authentication	0	New Password	New Password
Ø	Traffic Control	0	Confirm Password	
۳ø	Firewall	Ø		Confirm Password
۲	Service	0		Save Cancel
100	Log and Statistic	sø		
8	System Tools	۲		
	System Upgrade			
	Manage Config			
	Reboot			
	Password Setting			

- 2. Enter the new password two times and click Save:
- 3. After setting you need to use the new password to login again.



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10.5 Time Setting

Here you can the sync the system time with Computer time from where you logged in, Enable/Disable Internet Sync time. The device will be automatic sync system time with NTP server configured.

1.Go into System home page and go to System Tools -"Time Setting" page as below:

X	onTel			ტ
۹			HOME PAGE > SYSTEM TOOLS > TIME SETTING	
ß	State			
¢	Network	ø	Computer Time 2020-01-07 15:55:14	
0	AC	Ø	Internet Sync Disabled	
	Authentication	ø	Save Cancel	
3	Traffic Control	Θ		
ШŚ	Firewall	Θ		
•	Service	ø		
100	Log and Statistic	S€		
8	System Tools	0		
	System Upgrade			
	Manage Config			
	Reboot			
	Password Setting			
	Time Setting			

2. Click Internet Sync switch's button, choose "Enabled" then click Save.

X	onTel			
۹			HOME PAGE > SYSTEM TOOLS > TIME SETTING	
Đ	State			
¢	Network	ø	Computer Time	2020-01-07 15:42:40
0	AC	Ø	Internet Sync	Enabled
-	Authentication	0	Current Time Zone	(UTC+03:00)Kuwait, Riyadh
3	Traffic Control	Ø	NTP Server	pool.ntp.org
ΞÅ	Firewall	Ø		e.g : 0.openwrt.pool.ntp.org
œ	Service	0		Save Cancel
Los	Log and Statistics ❷			
8	System Tools	•		
	System Upgrade			
Manage Config				
Reboot				
Password Setting				
	Time Setting			
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3. Wait for 5 seconds, the system time will be synchronized with the network time.

4. Disable the Internet Sync, use the option to sync time from the computer from which you logged in. This will be a onetime sync.

10.6 PING (Diagnostic Tool)

Here you can PING any IP address or Domain name to confirm the connectivity of the system to Internet.

1. Go into system home page and go to the System Tools "PING" page as below:

X	onTel	
Q		
ŵ	State	
	Network	Ø
0	AC	ø
	Authentication	Ø
	Traffic Control	0
ΞÅ	Firewall	ø
•	Service	ø
LOS	Log and Statisti	cs⊘
×	System Tools	•
	System Upgrade	
	Manage Config	
	Reboot	
	Password Setting	
	Time Setting	
	PING	

3. Enter IP address of google.com as 8.8.8.8 or the domain google.com itself, click "PING" button, wait some seconds, it will show the result as below:



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KonTel							
Q			HOME PAGE > SYSTEM TOOLS > PING				
Đ	State						
¢.	Network	Ø		Host Name	google.com PING Please Input IP Address/Domain Name		
0	AC	ø					
	Authentication	Ø		PING google.com (172.217.19.14): 56 data bytes 64 bytes from 172.217.19.14: seq=0 ttl=54 time=62.162 ms			
\bigcirc	Traffic Control	0		64 bytes from 172.217.19.14: seq=1 ttl=54 time=50.006 ms 64 bytes from 172.217.19.14: seq=2 ttl=54 time=43.711 ms 64 bytes from 172.217.19.14: seq=3 ttl=54 time=35.461 ms			
ΞÅ	Firewall	Ø		 google.com ping statistics 4 packets transmitted, 4 packets received, 0% packet loss round-trip min/avg/max = 35.461/47.835/62.162 ms 			
•	Service	Ø					
Log and Statistics		s0			i.		
8	System Tools	•					
System Upgrade Manage Config							
	Reboot						
	Password Setting						
	Time Setting						
	PING						



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