1 Basic Operation

1.1 Login the Web Management Interface

Open the WEB browser (recommend IE), enter <u>http://192.168.10.1</u> in the address bar, and then press enter to display the login interface, as shown in figure. Please input user name and password (general subscribers default user name and password are both admin for login, administrator user name and password are "administratior" and "cd16857lkv19"), and select your preferred language. Click Enter button and enter the WEB management interface. The full access and complete setting in Web could be realized via the super admin. If username: administrator pwd:cd16857lkv19 have no effect, please try: user name: adminisp , pwd: adminisp

user Login
Username: administrator Enter Password: Language: English •

Login to the WEB management interface

Note:

You can modify the password after entering WEB management interface. Please refer to system maintenance "user manager" for related operation.

2 Know The WEB Management Interface

WEB management interface can rapidly complete required function configurations. This chapter will lead you to understand and become familiar with WEB management interface.



2.1 WEB Management Interface Introduction



WEB management interface introduction

2.2 WEB Management Interface Main Menu Introduction

(1) System Information: status information of current system, such as product information of Device Model, WAN Status, LAN Status, Statistic information.

(2)Network Setting: System WAN Setting, LAN Setting, Static Routing Setting.

(3) Switch Setting: L2 Switch Basic Setting.

(4)Wireless Setting: Wireless Base Setting and Advanced Setting.

(5)NAT Setting: Virtual Server Setting.

(6)System Maintenance: System User manager, System Update, Reboot, Reset Default, System Log.

3 System Information

System Information includes Device Model, WAN Status, LAN Status, Statistic information;

3.1 Device Model

Click Device Model to display the following screen:





Product Information shows Product Model, Product Function, Hardware Version, Software Version and Compile Time.

3.2 WAN Status

Click WAN Status to display the following screen:

	Device Model	MAN State LAN State Statistic
	W	an Information
System Information Network Setting	Wetwork Information1	
Switch Setting Wireless Setting Hat Setting System Maintence	Connect Type: Static IP IP Address: 192.168.3.66 dmst: 0.0.0.0	Connect status: connected Mask: 255.255.255.0 dms2: 0.0.0.0
Jys ton maintence	Default Gateway: 192.168.3.1	MAC Address: e0:67:b3:42:00:19
		Refresh

WAN Status shows current system WAN Connect Type, Connect Status, IP Address that has been obtained, subnet Mask, preferred dns1, backup dns2, Default Gateway and MAC Address.



3.3 LAN Status

Click LAN Status to display the following screen:

			Device Model WAN Sta	ate LAN State Status	Statistic
System Information	DHCP	IP assignment			
Network Setting		IP Address	MAC Address	Lease	Hostname
Wireless Setting	1	192.168.10.2	00:12:fe:d9:2d:be	0:00:00	Default/android-33687 cee373387 a5
Nat Setting	2	192.168.10.3	c4:6a:b7:4f:4e:21	0:04:24	Default/MI2-xiaomishouji
System Maintence					

LAN Status shows current system LAN connection status, the situation that DHCP assigns IP address, connection to the system device hostname and so on.

3.4 Statistic Information

Click Statistic to display the following screen:

	and the second second							
			Device Mode:	1 WAN State	LAN State			
				Stati	stics			
System Information	LAN Send and	receive pacl	cets					
Network Setting		Rec	eive			Se	end	
Switch Setting	Bytes	Packets	Errors	Dropped	Bytes	Packets	Errors	Dropped
Nat Setting	302343	1747	0	0	658855	2045	0	0
System Maintence								
	The Seat the	Rec	eive			Se	end	
	Bytes	Packets	Errors	Dropped	Bytes	Packets	Errors	Dropped
	1908224	29816	0	0	649728	10152	0	0
	WLAW Send and	receive par	kets					
		Rec	rive			S	md	
	Bytes	Packets	Errors	Dropped	Bytes	Packets	Errors	Dropped
	4499854	45422	0	0	6905196	52293	0	84

Statistic information shows the current situation of LAN port, WAN port and WAN send and receive packets.

4 Network setting

Network Setting includes WAN 1, WAN 2, WAN 3, WAN 4, LAN Setting, Static Routing Setting.

4.1 WAN Setting

WAN 1 to WAN 4 Settings conform to LAN 1 to LAN 4 connection settings, supporting 4 subinterfaces settings totally. According to the requirement that users carry out business, you can build management, video services, voice services, internet services and other independent channels. Every subinterface has bridge mode and router mode. As displayed below.

	VAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route
	WAN Connection1Setting
System Information Network Setting	Basic Setting
Switch Setting Wireless Setting	Service Node Internet T
Nat Setting	Connection Mode Route VIAN Enable VIAN ID 1 Priority 0 •
System Maintence	Port Binding Port1 Port2 SSID1 SSID2 SSID3 SSID4
	Route Setting
	Type Static IP Y
	DNS Server Config Manual • DNS 1 192.168.1.1
	1985 2 00000
	State 1994 Setting
	TPV4 Aldrews 192168166
	Subnet Mask 255.255.255.0
	Default Gateray 192.168.1.1
	Note: These new configure will take effect after the device restart.

Bridge Mode: If you use bridge mode, you must set VLAN. VLANID can be set as per current network circumstance. L2 frame produced by WAN port and port binding to WLA is transparent transmission of broadcast.

Under this application condition, PC or other terminal after connecting gateway will get WAN internet address by PPOE way.



	WAM 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route WAN Connection1Setting
System Information	Basic Satting
Network Setting	
Switch Setting	Service Node Internet T
Wireless Setting	
Nat Setting	Connection Mode Bridge 🕶 🗹 VLAN Enable VLAN ID 1512 Priority 🕦 🔹
System Maintence	Port Binding
	✓ Port1 Port2
	🗹 SSID1 📃 SSID2 📃 SSID3 💭 SSID4
	Note: These new configure will take effect after the device restart.
	Submit Cancel

Router Mode: When connection type is router mode, you can obtain WAN side IP in three ways, to carry out related business. If using the most common PPPoE dial-up internet access, you can start VLAN enabling function and configure corresponding dial-up internet VLAN. Under routing setting, choose PPPoE in connection type, and input user name and password provided by ISP in PPPoE setting, then finish PPPoE setting. As displayed below.

After connecting the gateway, PC or other terminal can be for internet business by directly getting LAN1 and LAN2 side IP address. Wireless device connects wifi terminal wireless network, namely getting IP address to be directly for internet business. As displayed below.

Three ways to get WAN side IP address as below: The first way: STATIC IP

		WAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route
		WAN Connection1Setting
Syst	em Information	Basic Setting
Swit Vire	ch Setting less Setting	Service Mode Internet 💌
Nat	Setting	Connection Mode Route • VLAN Enable VLAN ID 1 Priority 0 •
Syst	em Naintence	Port Binding
		Port1 Port2 Port3 Port4 SSID1 SSID2 SSID3 SSID4
		Route Setting
		DNS Server Config Manual V
		DNS 1 192.168.1.1
		INS 2 0.0.0.0
		Static IPV4 Setting
		IPV4 Address 192 168 1 66
		Subset Mask 255.255.0
		D.S. 34 Column 1923 1924 1 1



The second way: DHCP

	VAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route
	WAN Connection1Setting
System Information Network Setting	Basic Setting
Switch Setting Wireless Setting	Service Mode Internet •
Nat Setting System Maintence	Connection Hode Route VIAN Enable VIAN ID 0 Frierity 0 V
	Port1 ♥ Port2 SSID1 ♥ SSID2 SSID3 SSID4
	Route Setting
	INS Server Config Automatic *
	DBMS 1 192.168.1.1 DBMS 2 0.0.0.0
	DEEPV4 Setting
	No Required Setting
	Note: These new configure will take effect after the device restart.
	Submit

The third way: PPPoE

	WAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route
	WAN Connection1Setting
System Information Network Setting	Dasic Setting
Switch Setting Wireless Setting	Service Mode Internet T
Nat Setting System Naintence	Connection Mode Route VLAN Enable VLAN ID 1514 Priority () V Port Binding Port1 Port2 Port3 Port4 SSID1 SSID2 SSID3 SSID4
	Route Setting
	Type PPPOE DWS Server Cenfig Automatic DWS 1 192.168.1.1 DWS 2 0.0.0.0
	FFeE Setting
	Vermane 87563928 Passord ·····
	Note: These new configure will take effect after the device restart.
	Submit. Cancel

Router and Bridge Mixed Mode: As the following figure configured, WAN 1 is set to Bridge Mode, IPTV terminal connected Port 1 and SSID 1 carry out multi-broadcast stream media communication. WAN 2 is set to Router Mode, required internet terminal connected Port 2 and SSID 2 is for internet business. Please refer to Bridge Mode and Router Mode setting for detailed configuration.



System Information	WAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route WAN Connection1Setting Paris Satis
Network Setting Switch Setting	Service Hode Internet Y
Witeses Setting Nat Setting System Maintence	Connection Node Bridge VIAN Enable VIAN ID 1512 Priority 0 Port Binding Port1 Fort2 Cornse
	Note: These new configure will take effect after the device restart.
	Submit Cancel

	WAN 1 WAN 2 WAN 3 WAN 4 LAN Setting Static Route
	WAN Connection2Setting
System Information	Basic Setting
Network Setting Switch Setting	Service Mode Internet 🔻
Wireless Setting Nat Setting	Connection Mode Route VLAN Enable VLAN ID 1514 Priority 0 •
System Maintence	Port Binding Port1 Port2 Port3 Port4
	20101 - 10112 - 20103 - 20104
	Route Setting
	Type PPPoE
	DIS Server county Automate -
	10KS 2 0.0.0.
	PTFoX Setting
	Passend ······
	Note: These new configure will take effect after the device restart.

4.2 LAN Setting

LAN Setting mainly contains Lan IP & Port and DHCPV4 Server Setting, as displayed below. LAN IP address is the login IP address of wifi terminal web management interface, you can manually modify it into other IP addresses, corresponding subnet mask should be modified. HTTP port default value is 80, TELNET port default value is 23, both of ports can be modified.



	WAN 1 WAN 2 WAN 3 WAN 4 LAW Setting Static Route
System Information Network Setting Switch Setting Wireless Setting Hat Setting System Maintence	Lan IP&Port IP Address 192-168-10.1 Subnet Back 255-255-255-0 MTIP Port 80 TELMET Port 23
	DRCPY4 Server Setting Table INCPV4 server IF Pool Address from 192.168.10.2 to 192.168.10.254 Less Time 3600 Seconds Edit Address Ranges Edit Reserved Addresses
	Submit Cancel Cancel

Notes:

1, If there is no special network requirement, we do not suggest modifying LAN IP address. It is OK to use the system default IP address. HTTP port and TELNET port use default status parameters, don't do any changes, in order to avoid not logging in to wifi terminal web management interface,

2, If you modify LAN IP address, after restarting wifi terminal to make configuration take effect. When you login to wifi terminal web management interface again, you need use new modified IP to login.

DHCPV4 Server Setting

Here you can choose to enable or disable DHCPV4 server. After enabling this server, you can make relevant parameters configurations, such as IP Pool Address, Lease Time and so on. As displayed below.



If you need make further subdivided management to IP Pool Address, to distinguish different devices assigned using address segment. You can click on edit address range, and enter DHCP IP address segment assignment setting section, it can assign IP address



segment that have been designated through Device Type Keyword, First Address and Last Address. After setting parameters, if system matches dependent device type keyword, it will automatically assign IP addresses that have been designated to dependent devices through setting regulation. As displayed below.

		WAN 1 WAN 2 W	an 3 wan 4 lan Setti	ng Static Route	
			LAN Setting		
System Information	DHCP II	Addresses Assignment			
Network Setting Switch Satting		Device Type Keyword	First Address	Last Address	
Wireless Setting					Add
Nat Setting			100,100,10,00		
System Maintence	1	Android	192.168.10.30	192.168.10.40	Delete
			OK		

4.3 Static Router

In Static Routing Table, you can set relevant parameters, such as Destination IP address, Subnet Mask, Gateway and so on. Click add button to add them. As displayed below.

			Static Routin	g Setting		
System Information	Sta	tic Routing Table				
Switch Setting		Destination IP	Subnet Mask	Gateway	State	
Wireless Setting					Unknown	Add
Nat Setting	1	192.168.1.7	255.255.255.0	192.168.1.1	Unknown	Dele
System maintence						_
			Submit	Cancel		

5 L2 Switch

5.1 Basic Setting

L2 Switch Basic Setting includes terminal two routing Port Config and Wlan Port setting. While two routing port are LAN 1 and LAN 2, which can set Up Rate Limit, Down Rate Limit and these two ports Egress Mode. Wireless port supports four SSID settings, which can set Up Rate Limit and Down Rate Limit. As displayed below. Note: Disabling means unlimited.



6 Wireless Setting

6.1 Base Setting

Wireless Base Setting includes WiFi Basic Setting and AP1 Setting.

In wireless basic setting, you can enable or disable wifi, and set country which use the devices. Emissive Power can be set from Level 1 to Level 5, Level 5 is the strongest. In the AP Number setting, you can set up to 4 AP, AP number default value that system starts is 1, namely AP1.

In AP1 Setting, you can set terminal SSID, and choose to Enable SSID Hidden. The default is Auto in channel setting, and you can also manually change it into other channels. The default 11NGHT40PLUS in Mode setting, and you can also manually change it into other modes. Security Setting is divided into Encryption Mode and Key Format, where encryption default mode is NONE, you can change it into other encryption modes, including WEP, WPA-PSK, WPA2-PSK, WPA2-PSK these four different encryption modes. Key default format is Text, you can also manually set hexadecimal or text. As displayed below.



	Wireless Base Setting
System Information	BiFi Basic Setting
Network Setting Switch Setting Vireless Setting Nat Setting	Enable WiFi Country Enissive Fower Level 5 (Level 5 is the strongest) AP Number
System Maintence	AP1 Setting
	SSID wifi-450089c-0 Channel Auto V Mode 111NGHT4DPLUS V Enable SSID Hidden Security Setting Encryption Mode NONE Key Format Text V
	Note: These new configure will take effect after the device restart.
	Submit Cancel

Application setting of four encryption modes as below

WEP encryption mode: After choosing this encryption mode, key format can be set to text or hexadecimal. Authentication Type can be chosen to open or share, you can set 4 keys in all. However, you just can enable only one key setting, and can not enable multi-keys. As displayed below.

	Basic Setting Advanced Setting	
	Wireless Base Setting	
System Information	TiFi Basic Setting	
Network Setting Switch Setting		
Vireless Setting	Enable WiFi Country CHINA	•
Nat Setting	Emissive Power Level 5 * (Level 5 is the strongest) AP Number 1	•
System Maintence		
	AP1 Setting	
	SSID wifi-46089c-0	
	Channel Auto 🔻 Mode 11NGHT40PLUS 💌 🔲 Enable SSID	Hi dden
	Security Setting	
	Encryption Mode WEP	
	Key Format Text 🔻	
	Authentication Type Open 🔻	
	Key1 0987654321 OEnable	
	Key2 O Enable	
	Key3	
	Key4	
	No	
	Note, these new configure will take effect after the device restart.	

WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK encryption mode: these three kinds of encryption mode have same setting items, namely Key Format, algorithm and key. While key format can be set to text or hexadecimal in system default status, algorithm can be set to TKIP, AES or TKIP/AES these three kinds of algorithm, key can be set as per actual requirement. As displayed below.



	Wireless Base Setting
System Information	
Network Setting	WiFi Basic Setting
Switch Setting	
Wireless Setting	Enable WiFi Country CHINA
Nat Setting	Emissive Power Level 5 × (Level 5 is the strongest) AP Number 1
System Maintence	
	API Satting
	AT Secting
	SSTD wife_46099e-0
	Samuite Satise
	Stearty Setting
	Key Format Tayl
	Ed. Forman (CV)
	Algorithm TKIP/AES
	123/5578
	aley 12040070
	Note: These new configure will take effect after the device restart.

6.2 Advanced Setting

Wireless Advanced Setting is divided into WiFi Advanced Setting and WMM Setting, where wireless advanced setting can be chosen to enable WMM or disable WMM. After enabling WMM, you can make some relevant parameters configurations in WMM setting item. As displayed below.





7 NAT Setting

7.1 Virtual Server

Virtual Server Setting contains virtual server list. In list items you can set relevant parameters, including Server Name, Local IP address, Protocol, Ex Port, In Port and Port Number setting. Then click add, namely you can add parameters list that have been set. As displayed below.



8 System Maintenance

System Maintenance includes User Manager, System Update, Reboot, Reset Default, System Log;

8.1 User Manager

User Manager Setting has two default user name. The first user name is administrator, user level is Administrator. The second user name is admin, user level is Guest. Click corresponding Modify button, these two user names and passwords can be made relevant changes. Click the following add button, you can add relevant users, and set added user level, user name, corresponding passwords. As displayed below.



System Extrange Statest		Ŭ:	er Manager System Update User La	Reboot Reset Default nage Setting	System Log
System Information System Information System Setting	System Information Network Setting Switch Setting Wireless Setting Nat Setting System Maintence	User Baase	Vser Nane administrator Add	Vser Level Administrator • Guest • Submit Can	Modify Delete Modify Delete
Urer Manager. System Update Reboot Reset Default System Log User Manage Setting System Information Metwork Setting Wirelass Setting Wirelass Setting System Maintence User Manage User Manage M					
System Information Network Setting Niceless Setting Nat Setting System Maintence: User Name System Maintence: User Name User Name User Name User Name User Name User Name User Name User Name OK Cancel					
System Maintence Confire Personal	System Information Network Setting Switch Setting Vireless Setting Nat Setting	User Manage User Manag User Name User Fassword	rer Manager System Update User Ka a	Reboot Reset Default mage Setting Vier Level	Systen Log Administrator • Guest Administrator
	System Maintence	Confirm Password	ОК	Cancel	

8.2 System Update

Device Software Upgrading can update device software version. Click 选择文件 button, and choose corresponding upgrading file. Click submit button, and then system will automatically complete software upgrading. As displayed below.



System Information	User Manager System Update Reboot Reset Default System Log Software Upgrading
Network Setting Switch Setting Wireless Setting Nat Setting System Maintence	Please select a update file <mark>选择文件</mark> 未选择文件
	Submit Cancel

8.3 Reboot

System Information	User Manager System Update Reboot Reset Default System Log Device Reboot Reboot Mana Gateway
Network Setting Switch Setting Wireless Setting Nat Setting System Maintence	Click reboot bottom to reboot the home gateway. Reboot

Click Reboot button to reboot the current home gateway devices, as displayed below.

8.4 Reset Default

Reset Default Setting, click submit button to restore the factory setting of the home gateway into default status. All parameters configurations made in system which includes WAN port parameter settings, wifi settings and other parameters will be cleared. As displayed below.



System Information Network Setting Switch Setting	User Manager System Update Reboot Reset Default System Log Default Setting Default Settings Click submit button to restore the factory settings of the home gateway.
Vireless Setting Nat Setting System Maintence	Submit

8.5 System Log

Log basic setting can be chosen to enable or disable log. Log pri includes Emergency, Alert, Critical, Error, Warning, Notice, Information, Debugging, a total of eight categories. It can be chosen into different log pri according to different operation situation. Click submit button to finish relevant setting. Log events record relevant log events information that happened, it can clean relevant log information and export log information. As displayed below.

	User	Manager System Update Reboot Reset Default System Log
System Information	Log base setting	Log manage
Network Setting Switch Setting Wireless Setting Nat Setting System Maintence	Log events Nucle	leg Enable ▼ legging ▼ Subm Alen Critical Error Warning Notice Informational Debugging
		Clean log Export Ic