

**R320M** 

# Wi-Fi6 SOM Module

## **User Manual**



## Be Honest & Do Best

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## 1. Introduction

#### 1.1. Overview

R320M is a highly integrated embedded WIFI6 wireless AP/client module that can be used in conjunction with a customized motherboard to form a complete WIFI6 wireless AP/client product.

The product supports dual independent serial ports and 5 gigabit Ethernet ports, which can meet application scenarios such as AGV, robots, and industrial monitoring. The working temperature can reach -20 ℃ ~+70 ℃.

Under the premise of meeting communication speed, a 2 \* 2 dual band antenna is adopted to support a design of 2.4GHz+5.8GHz, greatly reducing space occupation. It is an ideal core module for developing products such as commercial APs, industrial routers, and serial servers.

#### 1.2. Features

- Supports Wi Fi IEEE 802.11a/b/g/n/ac/ax protocol
- Supports 5\*Gigabit ports,1\*WAN and 4\*LAN
- Supports 1\*USB2.0, 1\*PCIE2.0/USB3.0(Customized)
- Dual independent serial port design
- Supports 1024QAM modulation technology, increasing data capacity by 50%
- Supporting OFDMA and MU-MIMO technologies, wireless internet access without queuing, reducing latency
- 2.4GHz and 5GHz share antenna interfaces, IPEX 1 connector, saving space

## **1.3. Specification**

#### Table 1. Parameters table

Hardware parameter	Hardware parameter	
Chipset	IPQ5018(Dual-core ARM Cortex-A53 at 1.0 GHz )+QCN6102	
Memory	512MB(support 256MB to 1GB), DDR3L SDRAM ,800 MHz clock rate; 1600 MHz data rate	
	SPI NAND 128MB(up to256MB);	
FLASH	SPI NOR 8MB (up to 32MB)	
	One NPU that consists of 12	
NPU	threaded programmable engines (UBI32 core), running at 1.0 GHz.	
Ethernet	5GE	
Antenna	2*IPEX connectors	



ВТ	BT 5.1	
Power supply	6V-16V	
Power consumption	≤10W	
PCBA size	70* 55 * 1.6 mm	
Operating temperature & humidity	-20~70°C, 10% ~ 90% without condensa	ation
Storage humidity	-40~75°C, 5% ~ 95% without condensat	ion
WLAN Interface		
Technical standard IEEE 802.11a/b/g/n/ac/ax		
2.4GHz-2.483GHz Frequency band 5.15-5.25GHz, 5.25GHz-5.35GHz, 5.725GHz-5.850GHz		GHz-5.850GHz
MIMO 2x2+2x2		
2.4GHz Max PHY rate	4GHz Max PHY rate 573.5Mbps	
5GHz Max PHY rate	2474Mbps	
OFDM:BPSK@6/9Mbps, QPSK@12/18Mbps, 16QAM@2 DSSS : DBPSK@1Mbps, DQPSK@2Mbps, CCK@5.5/11M MIMO-OFDM : MCS 0-31 MIMO-OFDM(11ac): MCS 0-9		bps, 16QAM@24Mbps, 64QAM@48/54Mbps , CCK@5.5/11Mbps
WEP (64 or 128) Wireless encryption WPA/WPA2/WPA3 personal & enterprise (IEEE 802.1X/RADIU		erprise(IEEE 802.1X/RADIUS、TKIP、AES)
Other interface		
Expand interface Miscellaneous	1 x PCle 2.0 X1 / 1 x USB 3.0 1 x USB 2.0	
interfaces	2*UART, n*GPIO	
RF Parameters		
	2.4GHz	5GHz
TX Power	16 dBm @ MCS11 HE160 -43dB 18 dBm @ MCS11 HE80 -47dB 24 dBm @ MCS9HT40 -35dB 24 dBm @ MCS7 HT20/HT40 - 30dB	16 dBm @ MCS11 HE160 -47dB 20 dBm @ MCS11 HE40 -43dB 23 dBm @ MCS9 HT40 -35dB 23 dBm @ MCS7 HT20/HT40 -30dB 25 dBm @ MCS0 HT20
	26 dBm @ MCS0 HT20	-



RX Sensitivity	2.4GHz	5GHz
	-69 dBm @ VHT40/MCS9/2SS	-65 dBm @ VHT80/MCS9/2SS
	-63 dBm @ VHT40/MCS11/2SS	-59 dBm @ VHT80/MCS11/2SS
	-68 dBm @ HE40/MCS9/2SS	-64 dBm @ HE80/MCS9/2SS
	-63 dBm @ HE40/MCS11/2SS	-58 dBm @ HE80/MCS11/2SS

## 1.4. Button & Indicator

#### Table 2. Button & Indicator

Item Description	
Indicator	Blue: Can access Internet successfully.
indicator	Red: Cannot access Internet successfully.
WPS Button	Holding for 5s to reset to factory settings

## 1.5. Dimension

Unit: mm





## 2. Get Started

### 2.1. Login setting webpage

Connect PC to the LAN port of the AP controller, and set the IP to static IP, such as 192.168.1.101. The IP should be on the same network segment as the AP device.



You can test whether the network is connected by ping 192.168.1.1.



Figure 2. Ping command

Enter the default IP address of the AP 192.168.1.1 in the browser, and the browser will navigate to login page.

The username and password are both admin.

<b>PUSR</b> <sup>®</sup>	
EN ÷	
👤 admin	
Please enter your password	
□Save	
Login	

Figure 3. Login page

## 2.2. Briefs introduce of the webpage

The left column is divided into 9 menu pages: System status, mobile network, Internet accessing settings, WLAN settings, LAN settings, Login settings, client list, upgrade and system log.

There are three auxiliary options in the upper right corner: PUSR cloud, Luci, language, as shown in the following figure.



104 104		USR Cloud Luci EN ~ Wizard Logout
🔐 System Status		
((•)) Mobile Network	System Information	
A Network Settings	Host Name :	Version : V2.09
	Local Time : Wed Jan 31 14:33:53 CST 2024	Uptime : 0 day 0:4:35
WLAN Settings	MAC : d4:ad:20:6a:11:65	SN: 01601724010500001154
දි;} LAN Settings	WAN Information	
Login Settings	System Mode : ROUTER	Internet Status : Not Connected
🔏 Client List	IP : -	Wan Port : Not Connected
🚯 Upgrade	Netmask : -	wireless client : Not Connected
💾 System Log	Gateway : -	5G NR : Not Connected
	Upload Byte : 0KB	Download Byte : 0KB
	LAN Information	
	IP: 192.168.1.1	DHCP Service : On
	WLAN Information	
	2.4G	5G
	SSID :core-1139-2.4G	SSID :core-1139-5G
	Passwd : www.pusr.com	Passwd : www.pusr.com
	Channel :11	Channel :36
	Rate : 286.8 Mb/s	Rate : 2.4019 Gb/s



## 3. Configuration and parameter details

#### 3.1. System status

This interface displays the basic information of the router, including 5 major blocks: system information, WAN port information, LAN port information, WLAN information. The specific information is shown in the figure below.

System Status	System Information	
((•)) Mobile Network	System mornation	
🔏 Network Settings	Host Name : core Local Time : Wed Jan 31 14:25:10 CST 2024	Version:V2.09 Uptime:0天1:56:1
WLAN Settings	MAC : d4:ad:20:6a:11:65	SN: 01601724010500001154
ද්රූ LAN Settings	WAN Information	
Login Settings	System Mode : AP	Internet Status : Connected
🔏 Client List	IP: 192.168.1.232	Wan Port : Not Connected
🚯 Upgrade	Netmask : 255.255.255.0	wireless client : Not Connected
El System Log	Gateway : 192.168.1.111	5G NR : Not Connected
	Upload Byte : 330.4 KiB	Download Byte : 443.6 KiB
	LAN Information	
	IP: 192.168.1.1	DHCP Service : Off
	WLAN Information	
	2.4G	5G
	SSID :core-1139-2.4G	SSID :core-1139-5G
	Passwd : www.pusr.com	Passwd : www.pusr.com
	Channel :11	Channel :36
	Rate : 286.8 Mb/s	Rate : 2.4019 Gb/s

## Figure 5. System information(AP mode)

🚢 System Status	System Information	
((•)) Mobile Network	System monnation	
🔏 Network Settings	Host Name : core	Version:V2.09
WLAN Settings	MAC : d4:ad:20:6a:11:65	SN : 01601724010500001154
ද <del>்ট</del> ্ট LAN Settings	WAN Information	
Login Settings	System Mode : ROUTER	Internet Status : Connected
🔏 Client List	IP: 10.20.36.114	Wan Port : Not Connected
🚯 Upgrade	Netmask : 255.255.255.252	wireless client : Not Connected
E System Log	Gateway : 10.20.36.113	5G NR : Connected
	Upload Byte : 29.6 KiB	Download Byte : 26.5 KiB
	LAN Information	
	IP : 192.168.1.1	DHCP Service : On
	WLAN Information	
	2.4G	5G
	SSID :core-1139-2.4G	SSID :core-1139-5G
	Passwd : www.pusr.com	Passwd : www.pusr.com
	Channel :11	Channel :36
	Rate : 286.8 Mb/s	Rate : 2.4019 Gb/s

#### Figure 6. System information(Router mode)



#### 3.2. Mobile network

This function block displays the basic information of mobile network, including: SIM information, 5G model information, 5G band, 4G LTE band, 3G WCDMA band.

🚆 System Status	SIM INFO	
((•)) Mobile Network		
🔏 Network Settings	Status : OK	Operator : CHN-CT 46011
👧 WLAN Settings	IMSI : 460115056169859	ICCID : 89860323247554231100
र्ह्3 LAN Settings	APN: -	PIN: READY
Login Settings	Card INFO	
🔏 Client List	Network : 5G	IP: 10.19.190.219
🚯 Upgrade	Current Band : NR5G BAND 78	Technology : TDD NR5G
Ë System Log	Pref Network : AUTO	Signal(RSSI): 99
	RSRP (dB): -87,-86,-32768,-32768,NR5G	RSRQ (dB): -10,-10,-32768,-32768,NR5G
	IMEI: 868371050499876	Revision : RM520NGLAAR01A07M4G
	Support 5G Band	
	1:2:3:5:7:8:12:13:14:18:20:25:26:28:29:30:38:40:4	1:48:66:70:71:75:76:77:78:79
	Support 4G Band	
	1:2:3:4:5:7:8:12:13:14:17:18:19:20:25:26:28:29:30	:32:34:38:39:40:41:42:43:46:48:66:71
	Support 3G Band	
	1:2:4:5:8:19	
	·	

Figure 7. Mobile network

#### 3.3. Internet accessing settings

There are 4 parts included in this function block: Mode Selecting, Network Port Settings, WAN Settings, IP Mapping.

#### 3.3.1. Mode selecting

There are 2 modes that can be selected: Router mode and AP mode.

Router mode: In this mode, the WAN port supports DHCP client, static IP, PPPoE. For LAN port, it support DHCP

service to assign IP addresses to terminal network devices.

AP mode: In this mode, WAN and LAN are bridged together, and DHCP service is turned off.



System Status	
((•)) Mobile Network	Mode Port WAN Wireless Connect 5G AT 5G NR
🔏 Network Settings	Mode Select · AP +
WLAN Settings	
<b>{្អុំ</b> LAN Settings	Note : You can set this router to ROUTER/AP mode.
Login Settings	ROUTER:Set WAN can use DHCP IP/static IP/PPPoE to connect Internet.enable LAN
B Client List DHCP	DHCP
🚯 Upgrade	AP:Set WAN, LAN bridge.disable LAN DHCP.If you use a mobile network (5G NR) to connect
E System Log to the Int	to the Internet, switch to the ROUTER mode
	normally.
	Apply

Figure 8. Mode selecting

#### 3.3.2. Ethernet port setting

In this function block, users can implement WAN/LAN switching, and can monitor whether the Ethernet port is connected to a device.



Figure 9.



#### 3.3.3. WAN settings

On this page, users can set parameters of WAN port to get access to Internet, including DHCP client, static IP, and PPPoE.

MAC clone: Replace the AC's MAC address with this MAC.

Mode Port WAN	Wireless Connect 5G AT 5G NR
ConnectionType:	DHCP \$
MAC Clone(Optional) :	Please enter the MAC clone address (Optional)
Current MAC :	d4:ad:20:6a:11:65
Note :	You can set the device to broadband dial-up (PPPoE), dynamic IP address (DHCP), and static IP address access.
	DHCP:The upper server will assign IP address, subnet mask, gateway and DNS address to device automatically.
	Apply

Figure 10. WAN Port

#### 3.3.4. Wireless repeater

Click <SCAN>, it will display the Wi-Fi SSID nearby, check the needed SSID, enter the password, select the needed frequency, check "Turn on", then click "Apply".





#### Figure 11. Wireless repeater settings

📲 System Status		
((•)) Mobile Network	System Information	
🔏 Network Settings	Host Name : core Local Time : Wed Jan 31 14:35:35 CST 2024	Version : V2.09 Uptime : 0 day 0:6:16
WLAN Settings	MAC: d4:ad:20:6a:11:65	SN: 01601724010500001154
없 LAN Settings	WAN Information	
Login Settings	System Mode : ROUTER	Internet Status : Connected
🔏 Client List	IP: 192.168.5.226	Wan Port : Not Connected
🚯 Upgrade	Netmask : 255.255.255.0	wireless client : Connected
l System Log	Gateway : 192.168.5.1	5G NR : Not Connected
	Upload Byte : 2.6 KiB	Download Byte : 10.9 KiB
	LAN Information	
	IP: 192.168.1.1	DHCP Service : On
	WLAN Information	
	2.4G	5G
	SSID :core-1139-2.4G	SSID :core-1139-5G
	Passwd : www.pusr.com	Passwd : www.pusr.com
	Channel :6	Channel :36
	Rate : 286.8 Mb/s	Rate: 0 kb/s

Figure 12. System information(wireless repeater)

#### 3.3.5. 5G AT

To get information or settings of 5G module via sending AT command.



🗳 系统状态	
<b>((•))</b> 移动网络	模式 网口 WAN 无线中继 5G AT 5G NR
🖧 上网设置	
▲ 无线设置	Signal: -92,-93,-124,-99,NR5G
袋 LAN设置	IMEI: 868371050080783
2 登录设置	Revision: RM520NGLAAR01A05M4G
88.客户列表	evample: ati at+cnin? at+orem
☆ 软件升级	AT CMD: ati
世系统日志	
	反达AI指令
	AT指令结果: -

Figure 13. 5G AT command settings

#### 3.3.6. 5G NR

Settings of 5G module.

Mode Port WAN	Wireless Connect 5G AT 5G NR
5G OnOff :	Off ÷
Туре:	SA/NSA ◆
APN :	Please enter APN
Pin :	Please enter a PIN (optional)
	Apply

Figure 14. 5G NR settings

#### Table 3. Parameters details of 5G NR settings

ltems	Description
5G enable	Turn on/Turn off 5G NR.
Station selecting	Select the right base station.
APN	Enter the APN of the SIM card.
Pin code	If a PIN code has been set on the card, please enter the correct PIN code.

#### 3.4. WLAN settings

It includes 3 parts in this function block: 2.4G settings, 5.8G settings, Signal selecting.



#### 3.4.1. 2.4G settings

(i) Mobile Network2.4G Settings5G SettingsSignal Level	🚔 System Status			
Network Settings   ULAN Settings   Login Settings   Client List   Upgrade   System Log   AP Isolation:   Off   Country:   CN   Channel:   auto   Proto:   802.11ax   HT Mode:   Default	((•)) Mobile Network	2.4G Settings 5G Settings	Signal Level	
	🖧 Network Settings	55ID -	acro 1120-24C	
Cleant List   Upgrade   System Log   AP Isolation :   Off   Country :   CN   Channel :   auto   Proto :   802.11ax   HT Mode :   Default	👧 WLAN Settings	SSID :	016-1129-2:40	
▶ Login Settings   ♥ Upgrade   ♥ System Log   AP Isolation :   Off   Country:   CN   Channel :   auto   Proto:   802.11ax   HT Mode:   Default	<b>ႏိုး</b> LAN Settings	Password :	www.pusr.com	
Client List   Upgrade   B System Log   Off   AP Isolation :   Off   Country :   CN   Channel :   auto   Proto :   802.11ax   HT Mode :   Default	Login Settings	Enable	On 👌	
	🖓 Client List	Litable .		
Bystem Log       AP Isolation : Off <ul> <li>Country : CN</li> <li>Channel : auto</li> <li>Proto : 802.11ax</li> <li>HT Mode : Default</li> </ul>	🚯 Upgrade	Hide SSID :	Off ÷	
Country : CN ÷ Channel : auto ÷ Proto : 802.11ax ÷ HT Mode : Default ÷	System Log	AP Isolation :	Off +	
Channel : auto Proto : 802.11ax HT Mode : Default •		Country :	CN ÷	
Proto : 802.11ax + HT Mode : Default +		Channel :	auto 🗘	
HT Mode : Default 🗢		Proto :	802.11ax \$	
		HT Mode :	Default \$	
WPA3:  Strong Encryption 80211r:			WPA3:  Strong Encryption 80211r:	
Apply			Apply	



Items	内容
SSID	Set the SSID of AP device, the maximum length is up to 22 characters.
	Length: 8~32, it can be characters and numbers.
Password	Users can leave it blank, it will open to all users.
	Default: www.pusr.com
Wi-Fi enable	Turn on / turn off the Wi-Fi function.
	Turn on / turn off the SSID. After enabling this function, users will not be able to
	detect the SSID.
AP Isolation	Turn on: STAs connected to this AP cannot access each other.
	Turn off: STAs connected to this AP can access each other.
channel	Channel 1~ 13 can be selected, or user can leave it to auto.
IEEE 802.11	802.11ax/n/g/b.
Bandwidth	HT20/HT40.
WPA3 Encryption	Enable WPA3 enhanced encryption protocol.
80211r	Turn on / turn off 802.11r protocol.

#### Table 4. Parameters details of 2.4G Wi-Fi settings



#### 3.4.2. 5G settings

System Status			
((•)) Mobile Network	2.4G Settings 5G Settings	Signal Level	
🔏 Network Settings	SSID .	core 1120 5G	
👧 WLAN Settings	. טונג	016-1135-30	
ද්ථු LAN Settings	Password :	www.pusr.com	
Login Settings	Enable :	On ÷	
😤 Client List			
🚯 Upgrade	Hide SSID :	Off ÷	
System Log	AP Isolation :	Off +	
	Country :	CN ¢	
	Channel :	auto 💠	
	Proto :	802.11ax \$	
	HT Mode :	Default \$	
	w	/PA3:  Strong Encryption 80211r:	
		Apply	

Figure 16. 5G Wi-Fi settings

Items	Description
SSID	Set the SSID of AP device, the maximum length is up to 22 characters.
	Length: 8~32, it can be characters and numbers.
Password	Users can leave it blank, it will open to all users.
	Default: www.pusr.com
Wi-Fi enable	Turn on / turn off the Wi-Fi function.
	Turn on / turn off the SSID. After enabling this function, users will not be able to
Hiding SSID	detect the SSID.
AP Isolation	Turn on: STAs connected to this AP cannot access each other.
	Turn off: STAs connected to this AP can access each other.
channel	Channel 36、40、44、48、52、56、60、64、149、153、157、161、165 can be
	selected, or user can leave it to auto.
IEEE 802.11	802.11ax/ac/ (n/a) /a
Bandwidth	HT20/HT40/HT80/HT160
WPA3 Encryption	Enable WPA3 enhanced encryption protocol.
80211r	Turn on / turn off 802.11r protocol.

#### Table 5. Parameters details of 5G Wi-Fi settings

#### 3.4.3. Signal selecting

Users can choose (Energy Saving)/(Normal)/(Penetration) signal strength based on requirements.



👹 System Status	
((•)) Mobile Network	2.4G Settings 5G Settings Signal Level
🔏 Network Settings	Select Hight
WLAN Settings	Hight
<b>ស្ល៊ុះ</b> LAN Settings	Normal
🕣 Login Settings	LOW
🔏 Client List	
🚯 Upgrade	
🔛 System Log	

Figure 17. Signal selecting

## 3.5. LAN network settings

This function block is used to set the LAN IP address of the R320M, with the setting options as shown in the following diagram, and the configuration instructions as in Table 3.

LAN Settings	
IP Address : 192.168.1.1	
Subnet Mask : 255.255.255.0	
DHCP Service : 🗹 On	
Starting Value : 100	
Maximum : 150	
Apply	

Figure 18. LAN network settings

#### Table 6. Parameters details of LAN network settings

Items	Description
IP address	The LAN IP of the R320M. The default is 192.168.1.1
Subnet Mask	Subnet Mask of R320M LAN port.



	After enabling DHCP, the R320M can assign IP addresses to terminal devices.
DHCP service	The IP addresses start from the "initial value" and can be allocated up to the
	"maximum number " set.

#### 3.6. Login settings

This function is used to change the login password of a webpage.

Login Settings		
User Name :	admin	
Old Password :		
New Password :		
usr cloud passwd :	8WkNeA3N USR Cloud implement remote management, add SN and the password	
Note :	Change password in this page. Password can not be empty, and the maximum password length is 15. Apply	

Figure 19. Login password settings

## 3.7. Client list

Client list has 3 submenus: DHCP List wireless clients and IP Binding.

DHCP List: Clicking on "refresh" button will display the information of computers that have obtained IP addresses through the router's DHCP service, as shown in the following figure.



nnection IP	MAC
ath 102 168	
	1.217 d4:ad:20:6a:11:57
Refresh	
Refresh	
	Refresh

Figure 20. DHCP list

Wireless clients: It displays the clients connected to the AP device via wireless. Click "Refresh" to update the latest client list.



Figure 21. Wireless clients

IP Binding: Enter the IP address and MAC address of the device that needs to be bound, then click on <Add>. Click on <Refresh> to view the devices that have already been bound.





Figure 22. IP binding

#### 3.8. Software upgrading

This functional block includes 5 submenus: [Firmware Upgrade], [Backup/Restore Configuration], [Date/Time], [Restart], and [Restore Factory Settings].

#### 3.8.1. Firmware upgrading

Select firmware file-> Click upgrade



Upload firmware :		Choose fil	e	Browse	
opioud initiate i	-			Dionse	
Factory Reset :	🗹 Reset	1			
Note :	Flash New Firr	mware Image.			
	Click "browse'	button, choo	ose the u	pdating-	
	file, upload a	compatible in	hage her	e to	
	replace the ru	nn <mark>ing f</mark> irmwa	re. Chec	k "Factory	
	Reset" to resto	ore factory se	ttings, o	therwise	
	the system ret	ain the curre	nt config	uration	
	arter upgrade	a.		_	
Onl	line		Upd	late	
				*	
Online Version:	V2.09-20				

Figure 23. Firmware upgrading

Upgrade	Backup/Restore	Date/Time Reboot	Factory Reset		
Upload firm	nware :	Choose file	Browse		
Factory	Reset : 🗹 Reset				
	Note : Flash Nev	v Firmware Image.			
	Click "bro file, uploa replace th Reset" to the syster after upg	owse" button, choose the u ad a compatible image her ne running firmware. Chec restore factory settings, o m retain the current config raded.	updating- re to k "Factory therwise guration		
	Online	Upo	late		
Online Ver Download	Online Version: V2.09-20 Download File:				
C Do sysupgrade	ownloading 🛟 automatically aft	er downloaded.			

Figure 24. Firmware upgrading





Figure 25. Firmware upgrading

#### 3.8.2. Backup

This function is used to back up the current parameters of AP device, and it also allows the import of previously saved parameters, making it convenient for users to configure settings.

Uplo	ad backup config:	Choose file	Browse	
	Note : Y	ou can configure various configuration inf	formation quickly	
	t	hrough backup/restore.		
	Dov	vnload	Upload	

Figure 26. Configuration backup

Items	Description
Backup parameters	Click the <backup configuration=""> button to save the current settings to a file.</backup>
Import backup filo	Click <browse> to select the configuration file. Click <import configuration="">, and in the</import></browse>
ппрот раскир пе	prompt box, click <ok> to upload the settings to R320M and restart.</ok>



#### 3.8.3. Time & Date

Set the time and date of the R320M.

Upgrade Backup/Restore Date/Time Reboot Factory Reset
Current Time : Tue Jan 30 11:36:51 CTS 2024
Set Time : Please enter the time
Note : Input the date format is YYYY-MM-DD hh:mm:ss (Year-Month-Day Hour:Minutes: Seconds).
Set Time

Figure 27. Time&Date

#### 3.8.4. Reboot

Reboot the AP device.

13 11	Tips : The router will re	estart after cli	cking the confirmation button.	
	Rebo	ot		

Figure 28. Reboot

#### 3.8.5. Reset to factory setting

Reset to factory settings.





Figure 29. Reset to factory settings

## System log

#### To check the system log.

The surf of a set of a set of	
No such file of directory	
Tue Jan 30 09:22:32 2024 daemon.err unttpd[2494]: cat: can't open /tmp/ap_agent/static_base_ap_agent.list :	
No such file of directory Tue las 20.00.22.24.2024 deemen er ubtad/2404b est each anes "/two/co. secon//datio base an erest list"	
Tue Jan 30 09:22:34 2024 daemon.err unttpd[2494]: cat: can't open /tmp/ap_agent/static_base_ap_agent.list :	
No such file of directory	
Tue aan 30 09/23:03 2024 daemon.en unttpd[2494]: cat: can't open /tmp/ap_agent/static_base_ap_agent.list :	
Two such life of directory Two lan 20 00-22-04 2024 doesnon or white d(2404), and one's onen '/two/on promit/static base on promit/static	
Tue van 50 09.25.04 2024 daemon.en untipu[2494]. cat. can't open 7 (mp/ap_agent/static_base_ap_agent.iist :	
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Tue san 50 09.25.55 2024 daemon.en untipu[2494], cat. can copen /imp/ap_agen(stauc_base_ap_agenciist.	
Tue Ian 30 09:23:34 2024 daemon err uhttnd[2404]; cat: can't onen '/tmn/an agent/static base an agent list'	
No such file or directory	
Tue Ian 30.09-24-03.2024 daemon err uhttndf24041; cat: can't onen '/tmn/an agent/static hase an agent list'	
No such file or directory	
Tue Ian 30 09:24:04 2024 daemon err uhttpdf2494]; cat: can't onen '/tmp/an_agent/static_base_an_agent list';	
No such file or directory	
Tue Jan 30 09:24:33 2024 daemon.err uhttpdf24941: cat: can't open '/tmp/ap_agent/static_base_ap_agent.list':	
No such file or directory	
Tue Jan 30 09:24:35 2024 daemon.err uhttpd[2494]: cat: can't open '/tmp/ap_agent/static_base_ap_agent.list':	
No such file or directory	
Tue Jan 30 09:25:03 2024 daemon.err uhttpd[2494]: cat: can't open '/tmp/ap_agent/static_base_ap_agent.list':	
No such file on Alexandre	

Figure 30. System log



## 4. Warranty

## 5. Contact Us

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## 7. Revision History

Version	Date	Author	Description
V1.0.0	2023-11-17		Established



V1.0.1	2024-01-29	May Liu	Translation
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