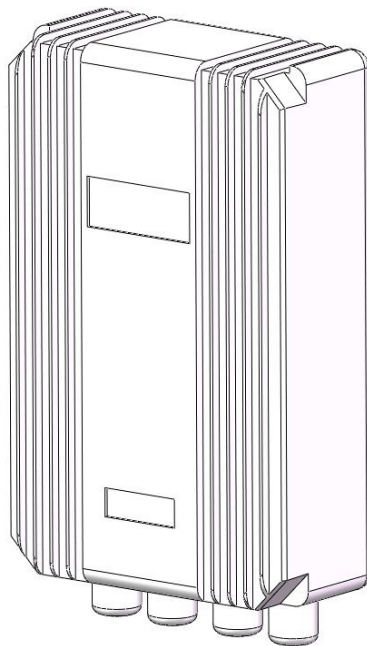


Changxinghuitong

Industrial Telephone Voice Gateway

USER'S MANUAL



REV1.0.0
2022.04

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1. Company Profile

Shenzhen Changxinghuitong Technology Co., Ltd. is one of the High-Tech enterprise in China, is stable supplier of intelligent transportation, utility tunnel, railway, etc. in municipal department.

The total registered capital is 21 million RMB, and we are certified to ISO9001, ISO14001, ISO45001, etc. Our products were through the national and international certification.

Shenzhen Changxing Huitong Technology Co., Ltd. Is a High-Tech enterprise, which is committing itself to industrial telephone researching/designing/manufacturing/sales and after sales service. The company has always been adhering to the "Quality first, Customer first" business purpose, our company take the enterprise conception of unite, honesty, factualist, innovate and high efficiency, our target is to be the first in the industry. We take "Comprehensive Innovation, Exceed Customer's Expectation." as our purpose, competitive prices, superior quality and efficiency have won confidence and goodwill among our business clients. We has been industry leader in communication, the equipments was successful used by utility tunnels, Municipal Traffic in many cities in China.

2. Statement

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The product specifications and information referred to in this manual are for reference only and are updated without notice. Our web page is readily available. All statements, information, etc. in this manual do not constitute any form of warranty unless there is a special agreement that this manual is only used as a guide.

3. Attention

Please read carefully before using the Manual.

This manual must be read, understood and preserved by a professional technician.

This manual does not provide detailed of specific techniques.

4. Product Presentation

The R&D team has more than 15 years experience in the Public Emergency Call/Broadcast, according to the utility tunnel business requirements and project design, has been independently developing a variety of Industrial Telephone products.

The industrial telephone is based on the special industry environment design

This product provides safe and effective voice communication equipment for personnel in the field of industrial applications.

5. Bill of Materials

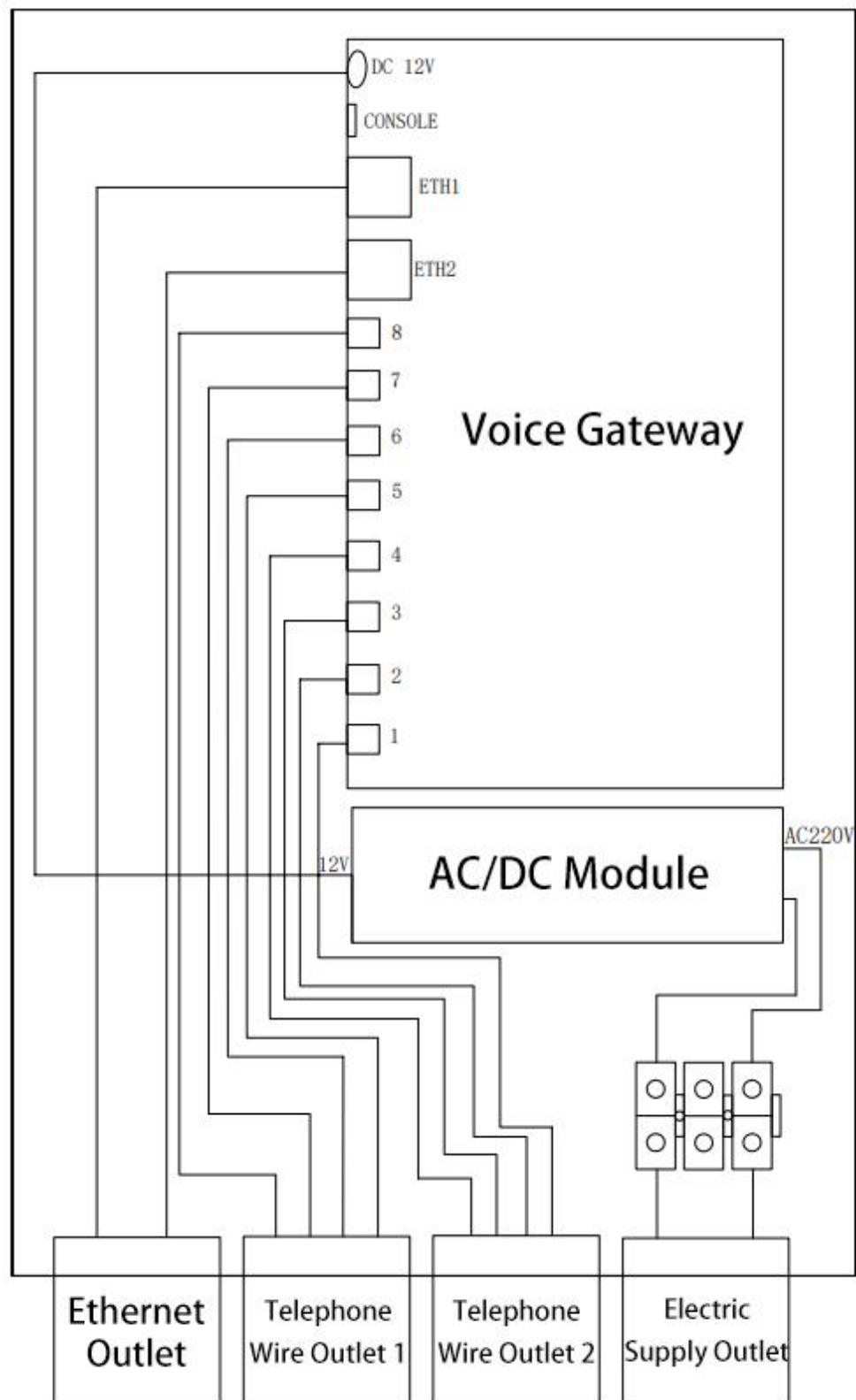
No.	Name	Unit	Quantity
1	Switch&Box	Set	1
2	Instructions	Copy	1
3	Hangers&Screw	Set	1
4	Setscrew	Pcs	4

6. Advantage & Parameter

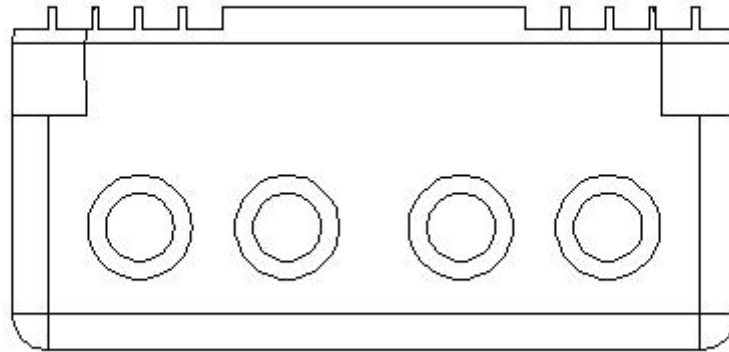
- TDM Call
- IP Call
- Number's Convert
- Call Transfer
- Call Waiting
- Auto-Dialing
- Non-Disturb
- Caller ID
- Echo Cancellation
- TDM/VoIP
- Fax
- Power-off Protection
- Off Network Protection
- Antipole Strategy
- Support Multiple Servers
- Support IMS Register/SIP
- Vbrate
- Communication protocol: SIP V1.0/2.0, RFC3261
- Audio Decoder: G.711A, G.711U, G.729A/B, G.723, ILBC, AMR
- DTMF Mode: RFC2833, SIP INFO, INBAND
- Network Protocol: TCP/UDP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, STUN
- Static IP: IP can modifier
- Support DHCP
- Support Domain Resolution

- Follow-up Test
- Software Update
- SysLog Type: ERROR, WARNING, INFO, DEBUG
- Ambient Temperature: 0°C-45°C
- Storage Temperature: -20°C-85°C
- Storage Humidity: 8%-90%
- Size: 320*198*95mm
- Net Weight: 2.2 kilograms

7. Wiring Diagram



8. Interface Specification



Left to right, first is Ethernet outlet, second and third is telephone wire outlet, and the last one is Electric wire outlet.

9. Accession Equipment Instructions

Used AC 220V, the distance between machine to machine is less than 3000 meters. Can connect 8 industrial telephone, the telephone line between the industrial telephone and the equipment shall not exceed 1,000 meters, can use Ethernet connect.

10. Software Instructions

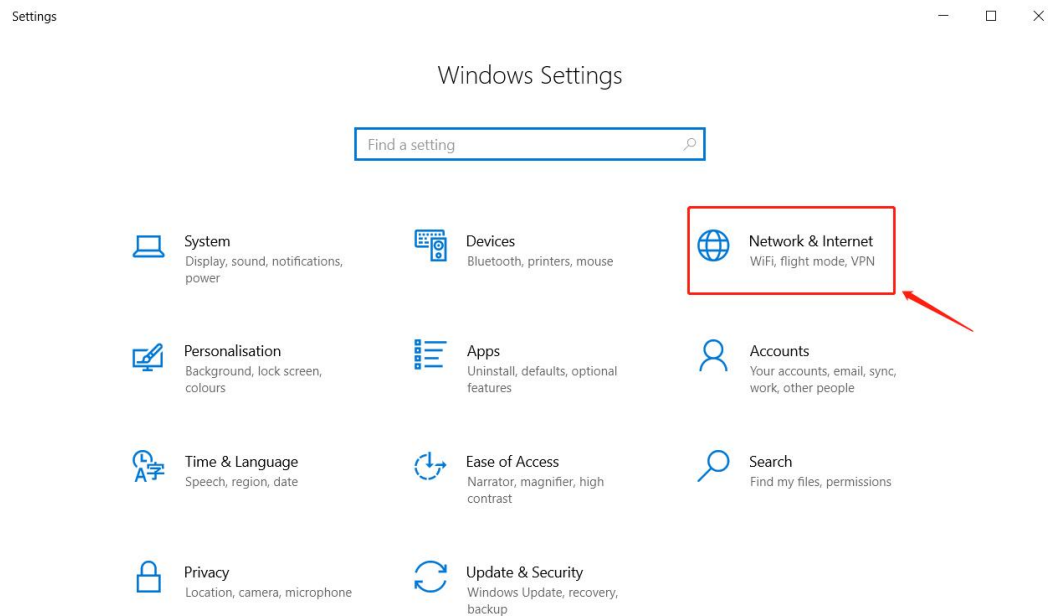
1. IP address is 192.168.1.101, account: admin, password: admin
2. Used ETH1/ETH2 connect with computer or dispatcher console(RJ45), connect to AC220V, waiting for 30 seconds, the system will initialization.
3. The software can control on Windows 10 computer or Multi-Function

Consolette. Operate step for IP address 192.168.1.101:

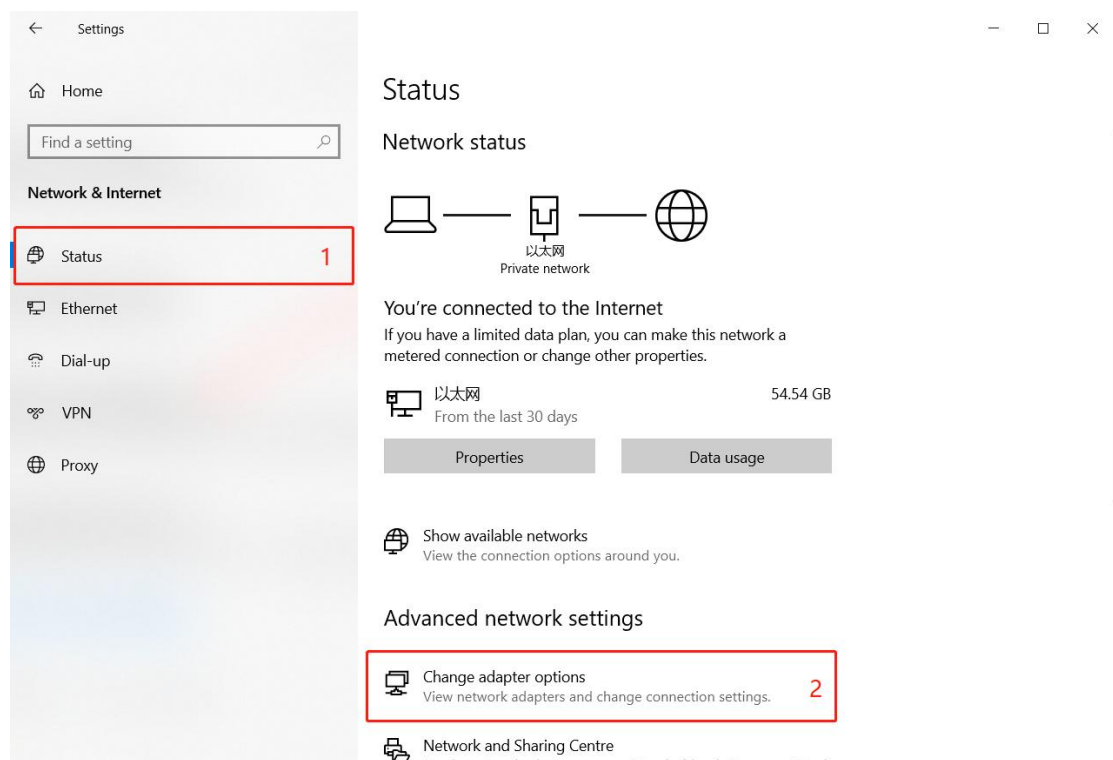
(1) Please install Google Chrome Browser on

<https://www.google.cn/chrome/>

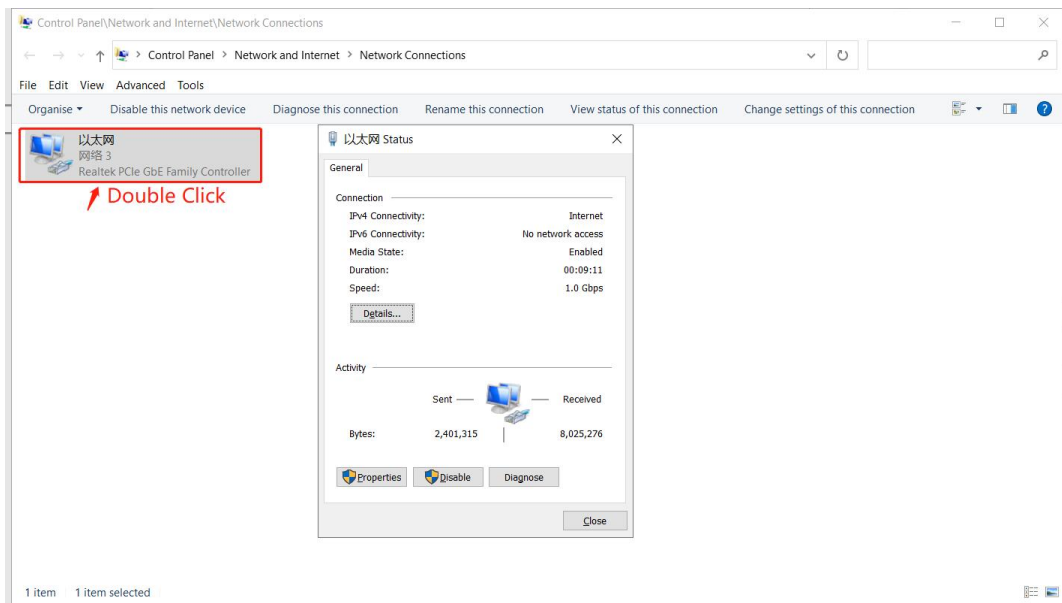
(2) Start - Setting - “Network&Internet”



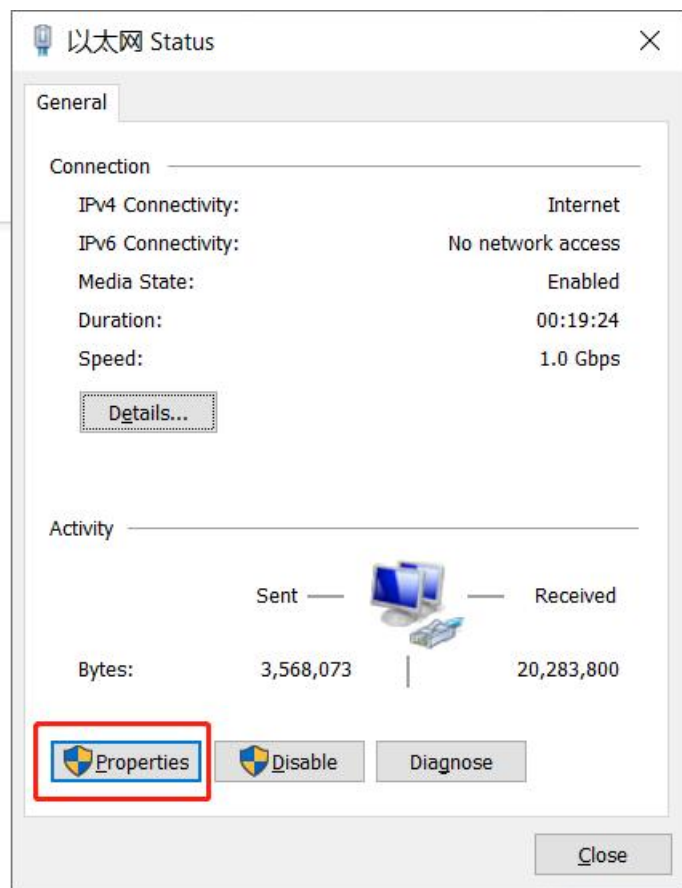
Click “Change Adapter Options”



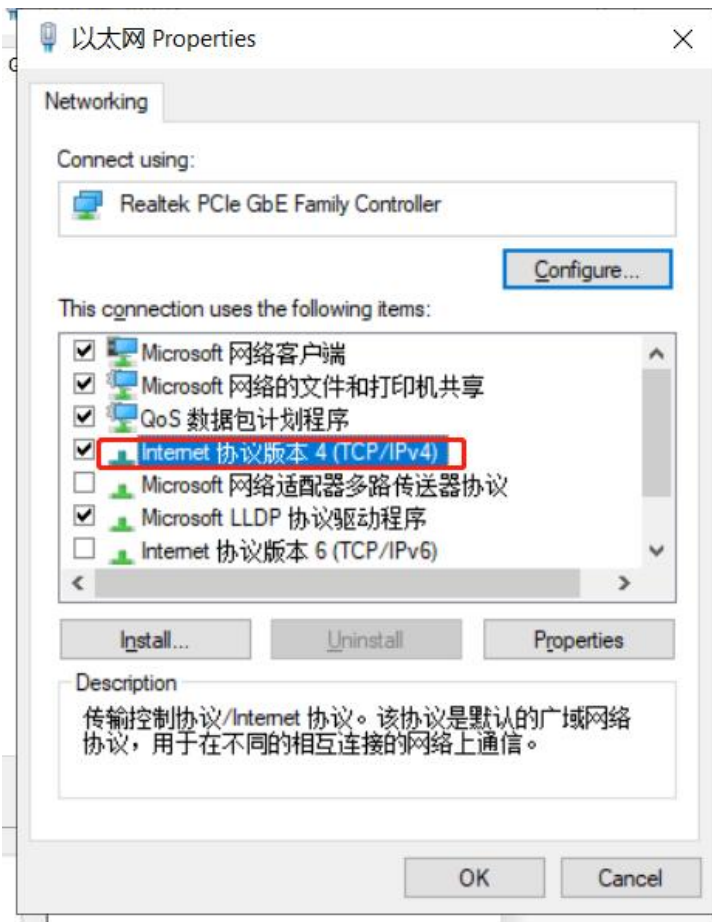
Double Click “Ethernet”



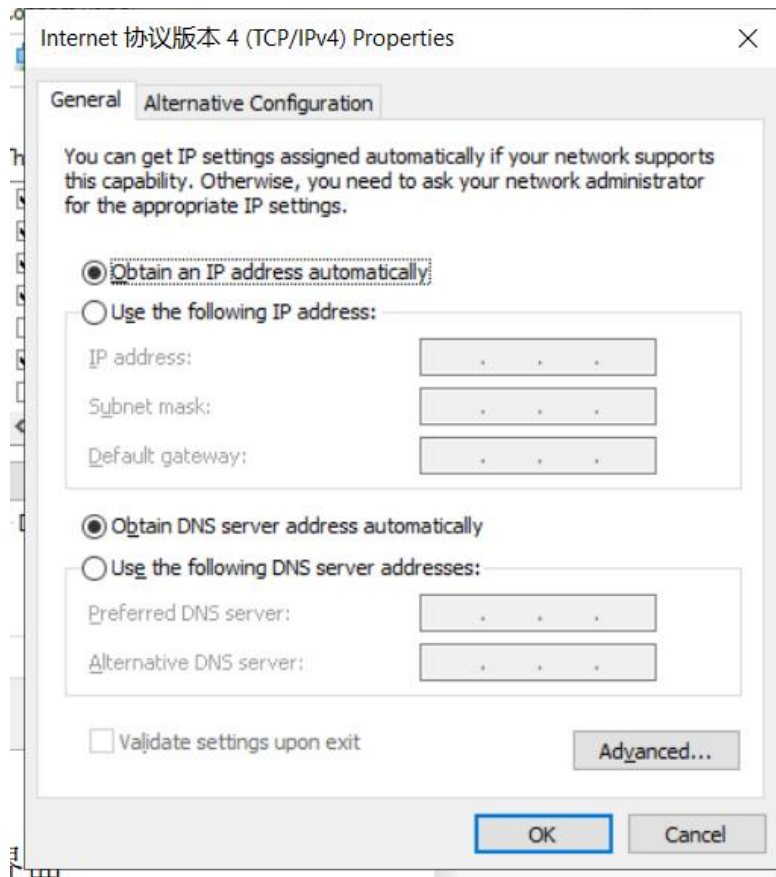
Click “Properties”



Double Click “Internet protocol version 4(TCP/IPv4)”



Enter the page



Click "Use the following IP address:", and write the IP address and Subnet mask.(Please write the address of the default setting)

Internet 协议版本 4 (TCP/IPv4) Properties



General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

☐ Obtain an IP address automatically

☒ Use the following IP address:

IP address: 192 . 168 . 1 . 1

Subnet mask: 255 . 255 . 255 . 0

Default gateway: . . .

☐ Obtain DNS server address automatically

☒ Use the following DNS server addresses:

Preferred DNS server: . . .

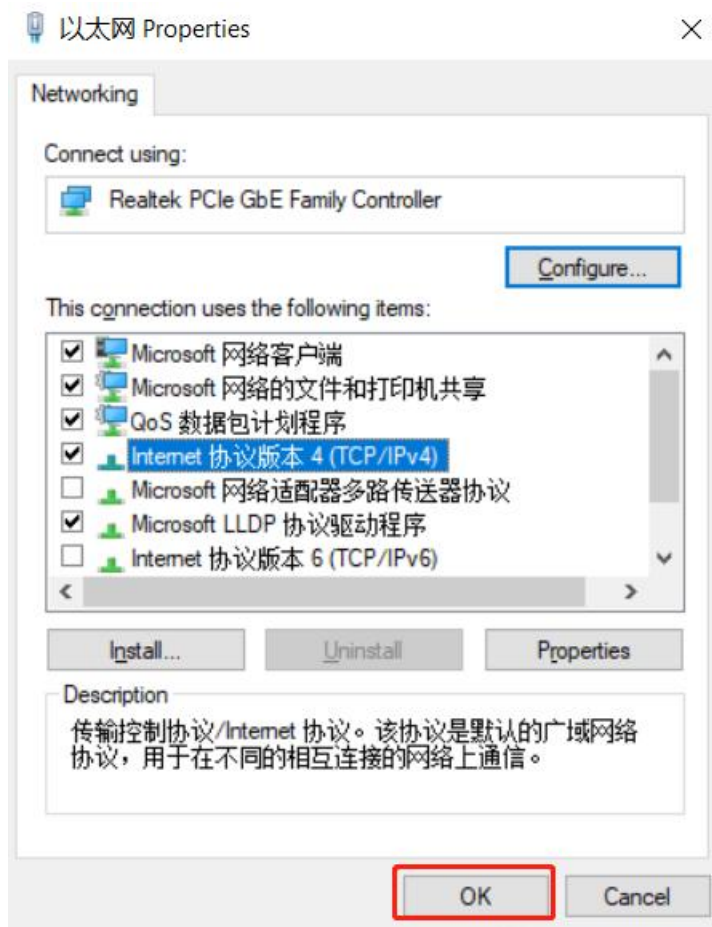
Alternative DNS server: . . .

☐ Validate settings upon exit

Advanced...

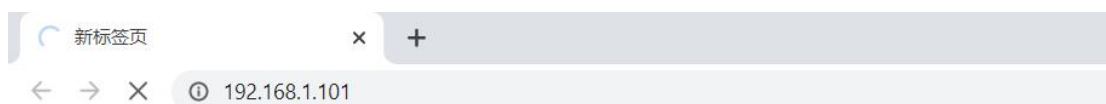
OK Cancel

Click OK

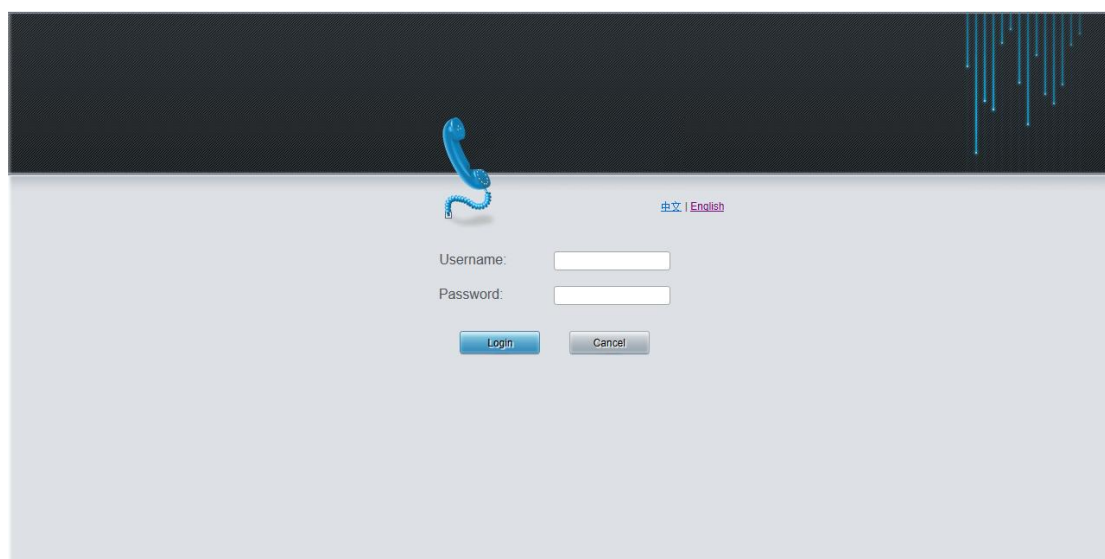


Click again and finished the setting

4. Open the Google Chrome, enter address "192.168.1.101"



Default account and password is admin



Click “Log in”

The screenshot shows the 'System Info' page of a network management system. The top header displays the date '2022年5月20日 08:58:36' and the current user 'admin' with a 'Logout' button. The left sidebar contains a menu with 'System Info' selected, along with other options like 'Channel State', 'Call Count', 'SIP Message Count', 'Quick Config', 'VoIP', 'Advanced', 'User Manage', 'Port', 'Route', 'Num Manipulate', and 'System Tools'. The main content area shows the 'System Info' window with details for LAN 1 and LAN 2, including MAC Address, IP Address, DNS Server, Receive Packets, Transmit Packets, and Current Speed. It also displays the Runtime (2m 30s), Current Version (forcommon_2.0.0_2021062914), and other system parameters like WEB, Gateway, Serial No., U-boot, Kernel, Firmware, and Product Type. A 'Refresh' button is located at the bottom of the window.

System Info			
LAN 1			
MAC Address	80:7B:85:11:A2:65		
IP Address	192.168.1.101	255.255.255.0	192.168.1.1
DNS Server	0.0.0.0		
Receive Packets	All:4029	Error:0	Drop:0
Transmit Packets	All:961	Error:0	Drop:0
Current Speed	Receive:2.3 KB/s	Transmit:204 B/s	
LAN 2			
MAC Address	80:7B:85:11:A2:65		
IP Address	192.168.0.101	255.255.255.0	192.168.0.1
DNS Server	0.0.0.0		
Receive Packets	All:0	Error:0	Drop:0
Transmit Packets	All:25	Error:0	Drop:0
Current Speed	Receive:0 B/s	Transmit:0 B/s	
Runtime	2m 30s		
Current Version	forcommon_2.0.0_2021062914		
WEB	forcommon_2.0.0_2021062914(Default Config)		
Gateway	80115		
Serial No.	1.0.3_201908		
U-boot	#146 SMP PREEMPT Fri Sep 25 17:13:21 CST 2020		
Kernel	0		
Firmware	D8S		
Product Type			

5. Click “System Tools”-“Network Setting”

The screenshot shows the 'Network Settings' page of the same network management system. The top header displays the date '2022年5月20日 08:59:24' and the current user 'admin' with a 'Logout' button. The left sidebar contains a menu with 'System Tools' selected, and the 'Network' sub-menu is highlighted. The main content area shows the 'Network Settings' window with configuration options for LAN 1 and LAN 2. For LAN 1, the Network Type is set to 'Static', and the IP Address, Subnet Mask, Default Gateway, and DNS Server are all configured. The IPv6 Address is disabled. For LAN 2, the Network Type is set to 'Static' (with 'Enable' checked), and the IP Address, Subnet Mask, Default Gateway, and DNS Server are all configured. The IPv6 Address is disabled. 'Save' and 'Reset' buttons are at the bottom. A note at the bottom states: 'Note: Please log in again using your new IP address if the IP address has been modified!'

Network Settings	
LAN 1	
Network Type:	Static
IP Address (I):	192.168.1.101
Subnet Mask (U):	255.255.255.0
Default Gateway (D):	192.168.1.1
DNS Server (P):	0.0.0.0
IPv6 Address:	<input type="checkbox"/> Enable
LAN 2	
Network Type:	<input checked="" type="checkbox"/> Enable Static
IP Address (I):	192.168.0.101
Subnet Mask (U):	255.255.255.0
Default Gateway (D):	192.168.0.1
DNS Server (P):	0.0.0.0
IPv6 Address:	<input type="checkbox"/> Enable

You can write the correct ip address and default gateway, according to the physical address. And click saving.

Notes: You need to log in again after saving, if the ip address not same with before, please repeated the step 3-(2) and step 4. If the ip address is same, please repeated step 4 to enter the system.

6. Enter the system, click Port Setting, and click the FXS Setting next.

Port	Type	SIP Account	Display Name	Auto Dial Num	Forbid Outgoing Call	DND	Forward	FWD Type	FWD Number	CID	Call Waiting	Reg Status	Echo Canceller	Color Ring	Color Ring Index	Input Gain	Output Gain	Modify
1	FXS	8001	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
2	FXS	8002	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
3	FXS	8003	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
4	FXS	8004	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
5	FXS	8005	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
6	FXS	8006	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
7	FXS	8007	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	
8	FXS	8008	---	---	Disable	Disable	Disable	---	---	Enable	Disable	Unregistered	Enable	Disable	---	0	0	

Click the batch modify or edit single port.

Port: 1
Type: FXS
Register Port: No
SIP Account: 8001
Display Name:
Display Name preferred: ☐ Enable
Auto Dial Number: 0
Wait Time before Auto Dial (s): 0
Input Gain (dB): 0
Output Gain (dB): 0
Echo Canceller: ☒ Enable
Forbid Outgoing Call: ☒ Enable
CID: ☒ Enable
Call Waiting: ☒ Enable
DND (Do Not Disturb): ☒ Enable
Call Forward: ☒ Enable
Advanced Configuration: ☐ Enable

Note: 'Auto Dial Number' goes into effect only if no dialing occurs during 'Wait Time before Auto Dial'.

Modify Reset Cancel

Please choose "Yes" on the "Register Port"

FXS-修改

端口	1
端口类型	FXS
注册该端口	是
SIP账户	8001
显示名称	
认证密码	
强制显示号码	<input type="checkbox"/> 启用
代拨号码	
延迟时间(秒)	0
输入增益(分贝)	0
输出增益(分贝)	0
回波抵消	<input checked="" type="checkbox"/> 启用
禁止呼出	<input type="checkbox"/> 启用
来电显示	<input checked="" type="checkbox"/> 启用
呼叫等待	<input type="checkbox"/> 启用
免打扰	<input type="checkbox"/> 启用
呼叫转接	<input type="checkbox"/> 启用
高级配置	<input type="checkbox"/> 启用

注意: 如果在“延迟时间”之内进行拨号, “代拨号码”不会生效。

Please write down the SIP account, Display name, Password, Auto dial number and wait time before dial number, SIP account and display name must be same, SIP account and password must same with IP PBX. Dial number is center telephone number, wait time need to set 3. Please click “Modify” first, then click ”OK”.

11. Device Dimension

