Industrial Router User Guide

ONV-WR300-4G

1. Technical specification

Product Name	4G WIFI industrial router
Antenna Direction	Omnidirectional
Installation	Wall-mounted, desktop
WIFI Frequency Band	2.4G HZ
Weight	320g
Power Supply	DC 12 ~ 24V
Material	Aluminum
Colour	Silver

Operation TEMP	-20℃-55℃
Operation Humidity	10%~95% RH Non condensing

Indicator and interface description		
Power indicator	Green on	Power supply on
(PWR)	Green off	No power supply
LAN indicator	Green on	LAN connection is normal
(LAN)	Green off	LAN is not connected
4G network	Green blink	Data transmission
indicator (LTE)	Green off	3/4G failed to dial successfully
Wireless	Green blink	WIFI works fine
indicator (WIFI)	Green off	WIFI off

Reset switch	Press for one second to restart the device, press for 5 seconds to restore the factory state.
SIM card	External standard SIM card slot

2.Installation and configuration

2.1 Device connection

Step1: Put the SIM card into the card tray and insert it into the corresponding card slot of the device

Step2: Install 3*antennas (2*2.4G WiFi antennas, 1*4G antenna) into the corresponding installation positions of the chassis.

Step3: Connect the DC power supply that comes with the device to the DC interface of the device, and connect the LAN port of the device to the terminal computer with a network cable to supply power to the device

2.2 Terminal settings

The PC is set to the default "Automatically obtain IP address" and "Automatically obtain DNS server address". The device automatically assigns the P address. The device does not need to do other configuration and can automatically access the Internet by default. As shown below.

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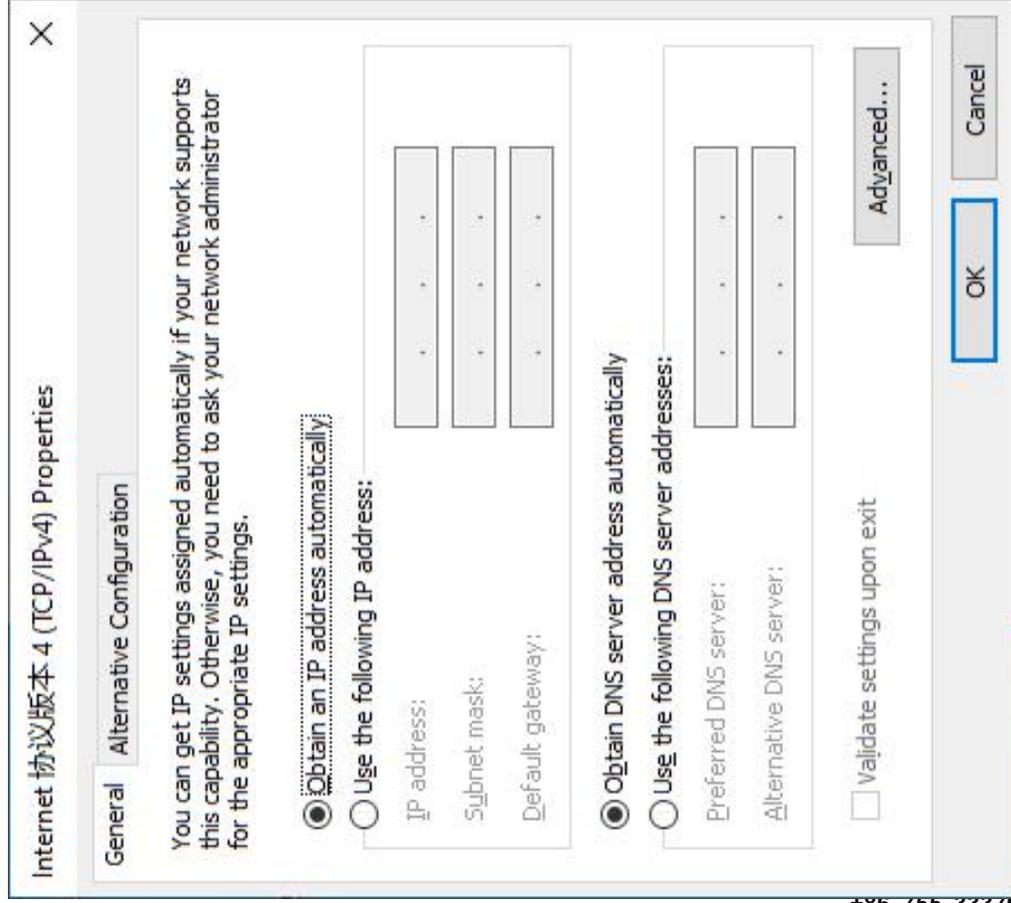
2.3 Web login

Step1: Run the web browser, enter **192.168.10.1** in the address bar, press Enter and jump to the login page, enter the login password **admin**, click login, and enter the router home page.
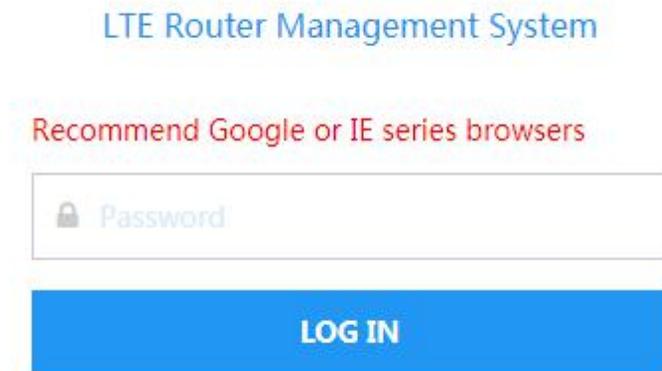
LTE Router Management System

Recommend Google or IE series browsers

🔒 Password

LOG IN

Step2: After entering the home page, you can view system information, device status, SIM card information and

terminal information.

SYSTEM INFO

System Version:	V4.4	Hostname:	WR300_4G
Router Model:	WR300_4G	Device MAC:	78:00:00:12:34:00
Kernel Version:	3.3.8	Protocol Version:	2.1.4
Manage IPv4:	192.168.10.1	Network Status:	Connected to the Internet
Local Time:	2020-12-24 10:31:44	Uptime:	5 min 43 sec

DEVICE STATUS

Current CPU usage: 0%

0%

Memory usage: 39.5%

39.5%

SIM INFORMATION

SIM Model:	U9300C SXNC	SIM Card:	SIM card registration network Successfully
Manufacturer:	LONGSUNG	Operator:	Mobile
Revision:	QB30027.1.6_MX11	Network Mode:	4G
Sn:	863284049153634	Network Status:	Connected to the Internet
Quality:	> -51 dBm	IP Address:	10.216.40.203

CLIENT INFORMATION

MAC Address	Network	IP Address	Signal	RX Rate	TX Rate
E0:B9:4D:B1:D0:1E	Wire	192.168.10.174			

Device Status
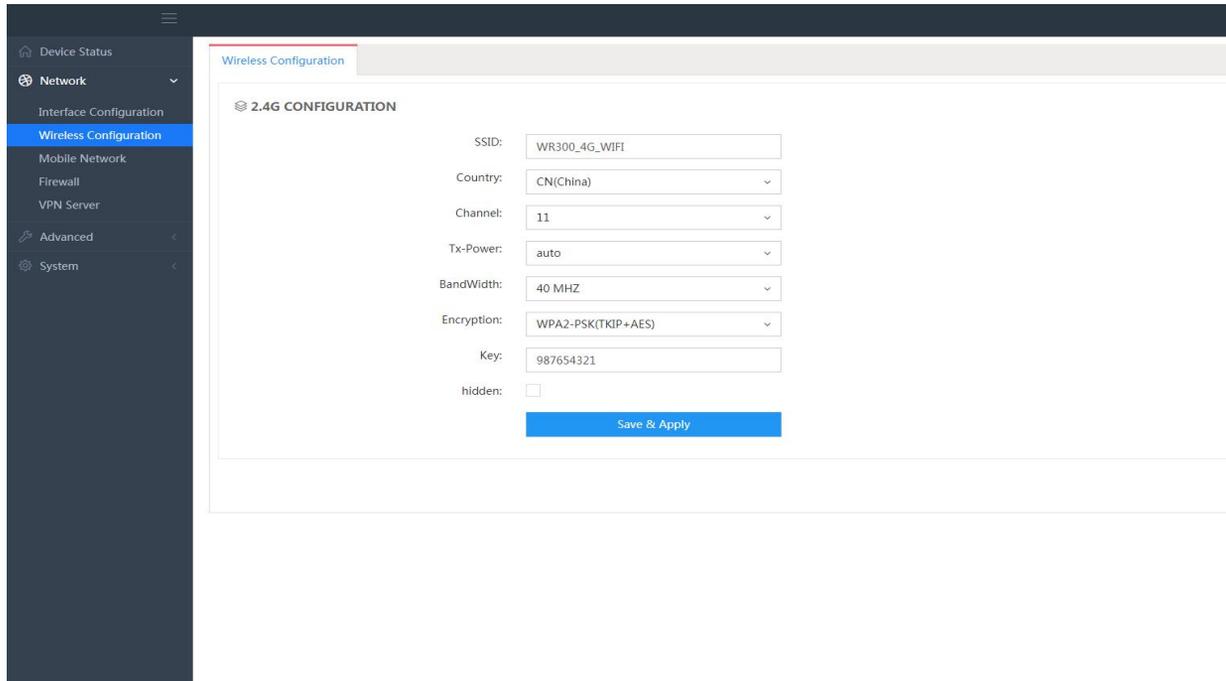Network
Advanced
System

System Status

2.4 Network configuration

Step1: Enter the interface configuration: You can modify the device IP address and set the DHCP related

functions. The user can set it as needed. After the setting is completed, click <Save & Apply> to complete the
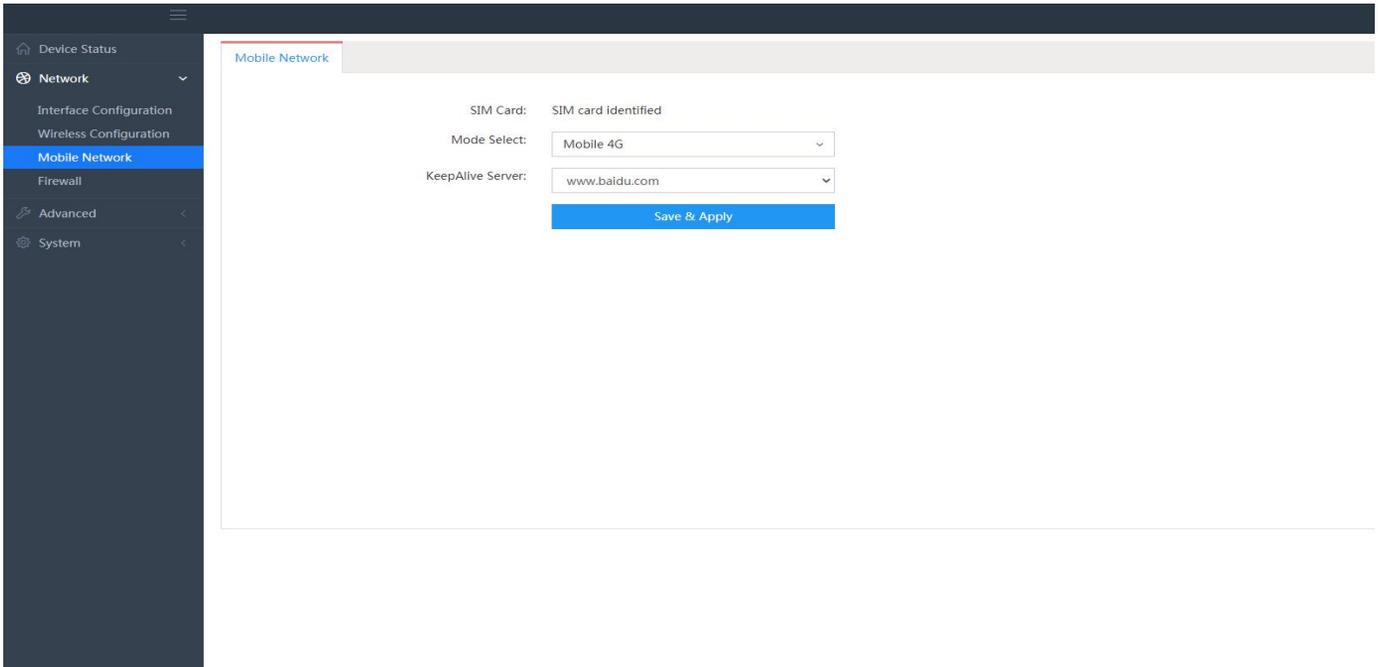
setting.
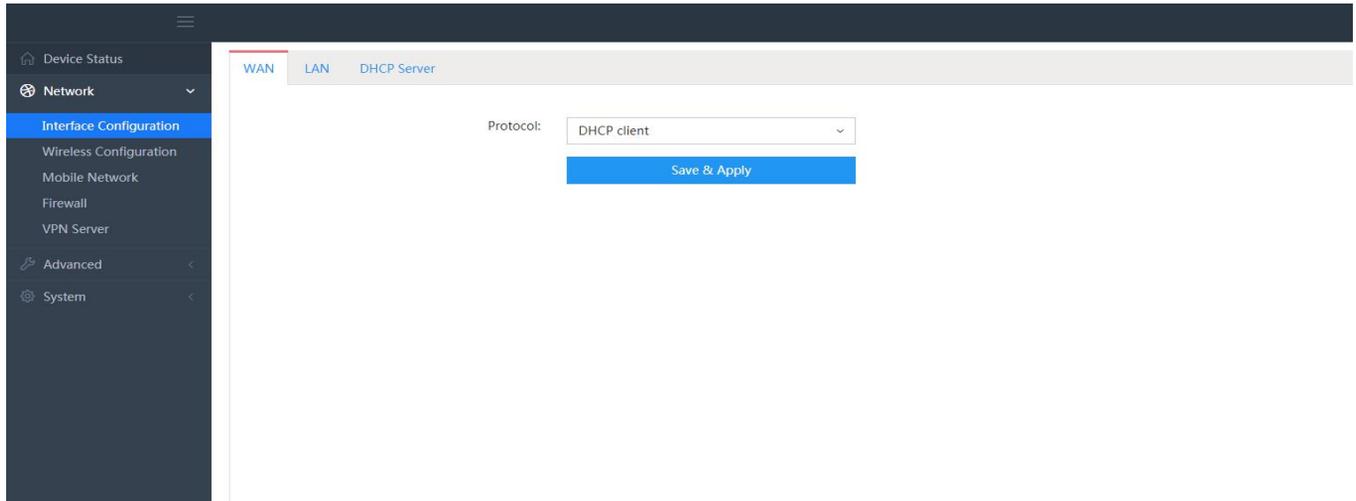
Step2: Enter the wireless configuration: Set the wireless SSID (default or self-setup), the country

code/channel/power/bandwidth is recommended to be the default, the encryption type/whether it is hidden or not,

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the user can set it as needed, and click <Save & Apply after the setting is completed > To complete the setting.

Step3: Enter 3/4G configuration: Select the corresponding SIM card type according to the actual situation.

Click <Save & Apply> to complete the setting.

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SIM Card:	SIM card identified
Mode Select:	Mobile 4G
KeepAlive Server:	www.baidu.com

Mobile Network

- Device Status
- Network
  - Interface Configuration
  - Wireless Configuration
  - Mobile Network
  - Firewall
- Advanced
- System

Save & Apply

2.5 Advanced settings

Fault diagnosis: This function is mainly for developers to locate faults, users do not need to set this.

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2.6 System Settings

System time: Select <Sync local time>, the device can synchronize to the current time, click <Save & Apply>, the setting will take effect.

Management password: You can set a new login password, click <Save & Apply>, the setting will take effect.

2.7 Backup/Upgrade

Download backup: Click <Generate Backup>, the system installation files can be backed up to a local folder.

Restore factory settings: Click <Execute reset>, the system will restore the default settings, and the previous settings are invalid. It is recommended that users use it with caution.

System Upgrade: Upgrade the current system through the local installation package.

3. Packing List

Name	CONTENT	QTY	UNIT
Host device	4G WIFI router	1	Set
Power adapter	Power supply	1	PC
Hanging ears	Equipment fixed	1	Set
Screw pack	Fixing of equipment and hanging ears	1	Pkg
2. 4G antenna	WIFI signal amplification	2	PC
4G antenna	4G signal amplification	1	PC
User Guide	User Guide (including warranty card)	1	PC

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4.Note

◆ Keep away from hazardous materials such as flammable and explosive.

◆ Keep away from dust or dirt.

◆ Do not expose the device to dust, dirt, sand, food, or other inappropriate substances.

◆ To prevent falling, the equipment should be prevented from falling from a high place.

◆ Waterproof, this device does not have waterproof performance, please keep it dry.

5.Warranty

Dear customers:

First of all thank you for purchasing our products, and thank you again!

In order to facilitate us to provide you with high-quality and satisfactory after-sales service, but also to better

protect your rights. Please read this clause carefully.

Quality Commitment:

Adhering to the tenet of "Users are God", the company provides customers with high-quality and satisfactory after-sales service. We promise to provide free warranty service within one year for all products sold by our company.

The specific regulations are as follows:

1. Within one year from the date of purchase of the product, our company will provide free warranty service for bad faults that occur during normal operation according to relevant technical data in a normal use environment;

2. For more than one year from the date of product purchase, our company provides paid maintenance services;

3. Every purchase of our products can enjoy our most professional technical service support and provide the latest upgrade package service for free;

4. Failure and damage caused by force majeure factors (such as fire, lightning, flood, etc.) are not covered by the warranty

5. During the warranty period, if the damage is severe and cannot be repaired or the accessories of this model

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have been discontinued, our company will provide other products of equivalent value for replacement. For the replaced products, if there is a price difference during the period, the difference will be partly The customer makes up, and the replaced product no longer enjoys non-product failure replacement service.

If the product has the following conditions, it is not within the scope of free full warranty, replacement, and return. Even if the product is within the warranty period, our company will charge related maintenance fees.

1. The repaired product has the following phenomena:

◆ Burnt mark

◆ Components are missing or destroyed

◆ Pad defect

2. **Operation negligence includes:** The crystal head is connected to the wrong wire leading to damage, and the failure to wear an anti-static wristband (the team bare board) is considered to cause product damage, such as chip burnt, mainboard, shield cover damage, radiofrequency head damage, etc.

3. Other problems and malfunctions caused by abnormal use (mainly the power supply part or non-ONV

company standard power supply)

4. Do not follow the installation, design, and patch instructions on the manual to carry out follow-up work;

5. When the motherboard is seriously damaged and cannot be repaired, a new motherboard must be purchased for replacement;

6. The damage caused by the user's disassembly, repair, or modification of the circuit;

7. Product information is incomplete, such as the warranty sticker/MAC address/SN code affixed to the body, the date paper is removed, damaged, or altered, and the model sticker is torn off;

8. Change the firmware of non-ONV company without authorization

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Customer Profile

Name		Contact number	
Model		Postal code	
MAC number			
Sales name		Contact number	
Sale date		Postal code	
Sales address			
Date	Fault description	Maintenance records	Remarks

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Remarks

1. The return freight will be paid by both parties.

2. For goods that are returned for repair, the customer is requested to report the abnormal quality within 7 days after receiving the product (based on the date of the courier number), and the overdue will not be negative.

3. Please confirm and pay the cost of the repair within 7 days. Failure to deliver the repair will be regarded as abandoned by our company and returned as it is. The customer data of our company will not be stored as a repaired part.

The final interpretation of this clause belongs to our company.

Optical Network Video Technologies (Shenzhen) Co., Ltd.

Tel: 0086-755-33376606

Fax: 0086-755-33376608

Email: onv@onv.com.cn

Website: www.onvcom.com

Zip: 518000

Headquarter Address: Room 1003, Block D, Terra Building, Futian District, Shenzhen,China

Factory Address:The 4-6th Floor, No. 59, Huaning Road, Xinwei Community, Dalang Street,

Longhua District, Shenzhen, China