Shenzhen Newchiba smartlink technology Co., Ltd.

Doonink®

WIFI industrial router

FW40-WIFI User Manual

www.doonink.com

Industrial Router FW40-WIFI Product Specification

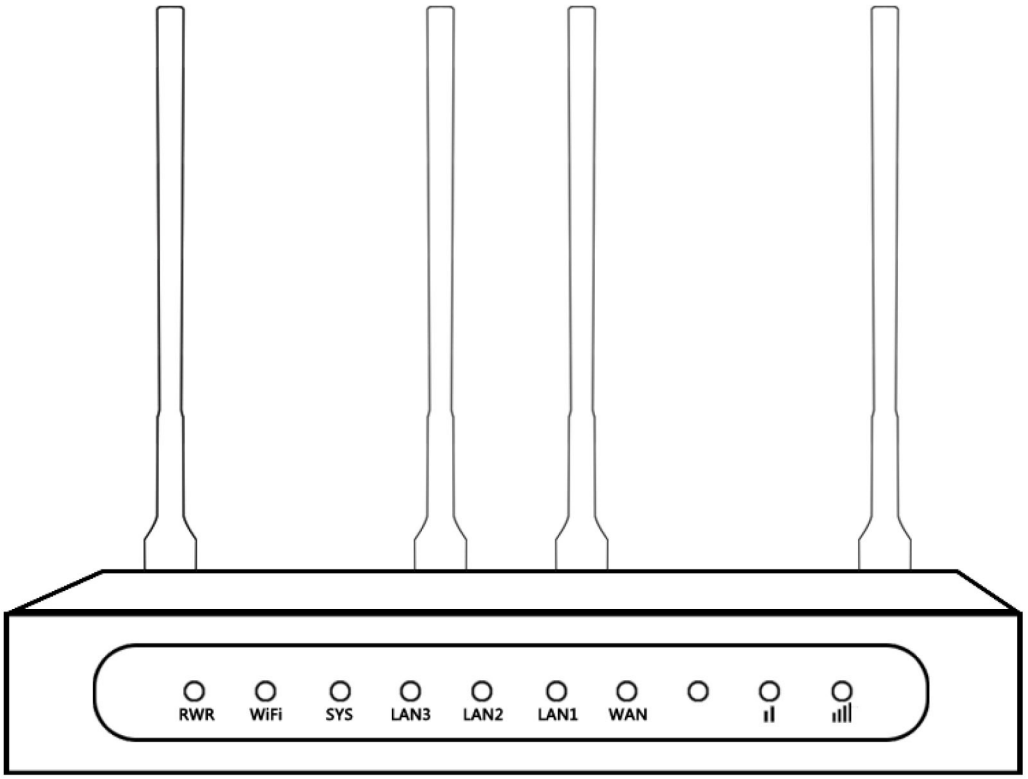
Version: V1.0

Date: 2019-01-01

The right to interpret the product belongs to Shenzhen 678 Zhilian Technology Co., Ltd

It is subject to change without notice

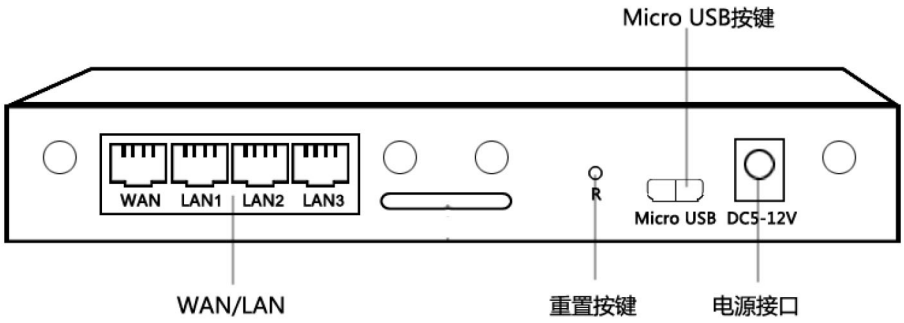
1. Description of the indicator light



name	state	description
PWR	Solid on	The power supply is normal
WIFI	Solid on	It is always on after powering, indicating that the wireless is normal
	Flash mob	Flashes quickly after powering up, indicating that data is being transmitted
	extinguish	When the power is connected, it goes off, indicating that the wireless function is off or malfunctioning
System Light (SYS).	Solid on	When the power is connected, it lights up, indicating that the power supply is normal.
	Slow flashing	About 10 seconds after the power is connected, it changes from solid to slow flashing, indicating that the system is running normally
WAN lights	Jump and flash	The RJ45 port is already connected
	extinguish	The RJ45 port is not connected
LAN1-LAN3 LAMP	Flash mob	The RJ45 port is already connected
	extinguish	The RJ45 port is not connected
30%-60%-100%	Solid on	The signal value of the corresponding range in wireless router mode

2. Description of the interface

The pictures involved in this article are for reference only, and the specific items shall prevail.



1) RJ45 interface: WAN/LAN0

Description: In standard routing mode, LAN0 port can be used as WAN port.

2) RJ45 interface: LAN1

3) RJ45 interface: LAN2

4) RJ45 interface: LAN3

6) RESET button: Press this button for 5 seconds in the power-on state, the SYS light will flash quickly, and then restart, and the reset will be successful.

7) DC interface: DC5V-12V wide voltage

Description: The DC interface adopts 2.1mm standard round head power interface, DC5V-12V wide voltage design, positive inside and negative outside, and the maximum power supply shall not exceed 15W

8) Micro USB port: power supply interface DC5V-12V, the maximum power supply shall not exceed 15W

9) 2pcs 2.4G WIFI gain antennas

3. Connection

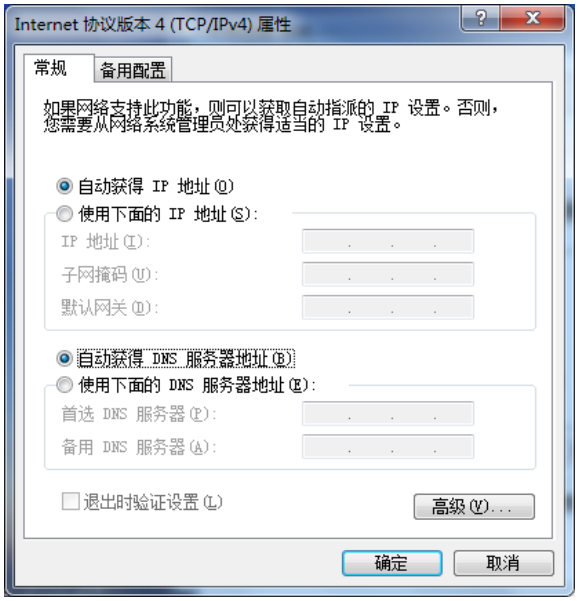
This industrial-grade router is set by default to self-test when disconnected (the default setting is dialing 3-5 times, about 10 seconds at a time), the device will automatically detect network dialing after powering on, and it will automatically restart if the network is not recognized, so the common installation steps for first-time installation users are as follows:

Connect the device

You can connect to your router in the following ways.。

1. Wired connection Set the IP address of the computer

Before accessing the web settings page, it is recommended that you set your computer to "automatically get an IP address" and "automatically get a DNS server address", and the router will automatically assign an IP address. If you need to specify a static IP address for a computer, you need to set the IP address of the computer in the same subnet as the LAN port IP address of the router (the default IP address of the LAN port of the router is:192.168.10.1 with a subnet mask of 255.255.255.0).



2. Connect via WIFI

Detect the wireless network of the wireless router

DEFAULT WIFI NAME (SSID): WIFI-7628-XXXX (4 digits after MAC address)

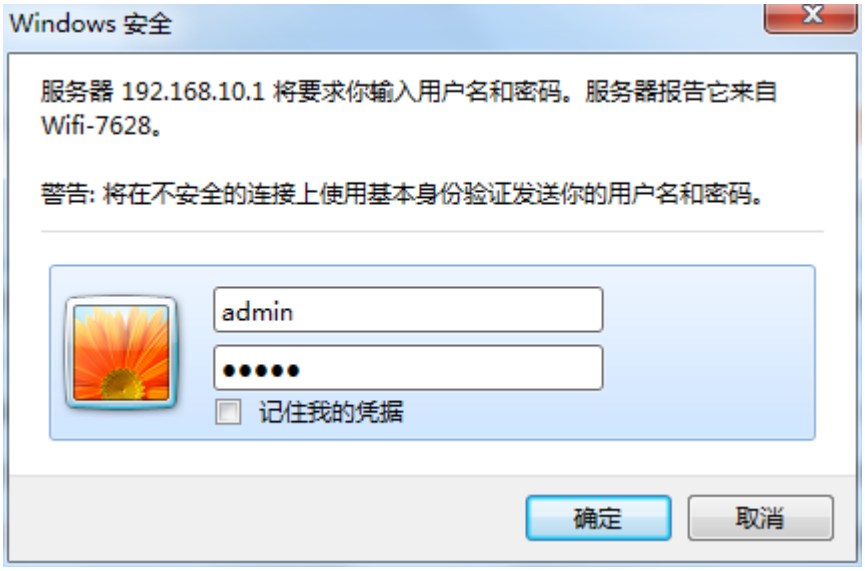
Default WIFI password (Key): 12345678

Then click the 'Connect' button and enter the corresponding password to establish a connection network, please see the device nameplate for details

4. Common settings

4.1 Set the WIFI network name, password, and hide WIFI

1. Use your mobile phone to connect to the default WIFI signal emitted by this router, see the device label for details
2. Open the link with the mobile browser or manually enter 192.168.10.1 on the address bar of the mobile browser to enter the management WEB background interactive interface
3. Log in to the interface in the login background. Enter the default account admin password to enter the router management interface.

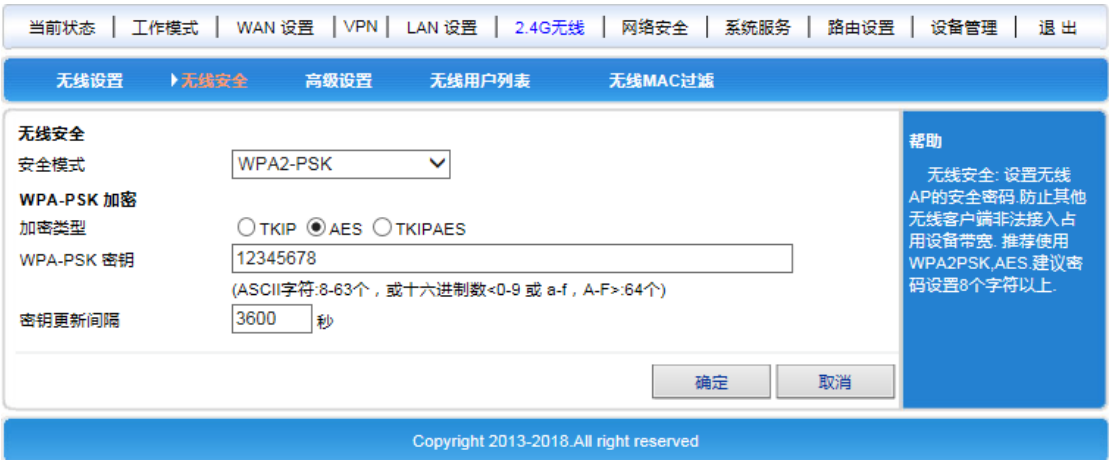


Tips: You can also use the computer to set it, (1) set the computer IP to be obtained automatically, (2) connect the router LAN port with a computer network cable, (3). Enter 192.168.10.1 in the address bar of the computer browser to open the router WEB management interface, and enter the default account and password admin to set it. If you are not familiar with the computer, it is recommended to use your mobile phone to set up the router.

1. Click "2.4G Wireless" - "Wireless Settings" in the navigation bar in the router management background interface, enter the name you want to set in the "Wireless SSID" input box, and click the "OK" button to confirm the settings, and then you can **set the name**;

Remarks:that product not supports 3G/4G

In "2.4G Wireless" - "Wireless Security", enter the password you want to set in the "WPA-PSK key" input box, and click the "OK" button to confirm the setting. to **set a password.**



Tips: After the setting is completed, the WIFI connection of your mobile phone may be disconnected, reconnect to the WIFI name you set, enter the password you set to connect.

2. Click "2.4G Wireless" in the navigation bar - "Wireless Settings" in the router management background interface, prohibit broadcasting SSID and tick behind it, and click the "OK" button to hide WIFI.

Tips: Please remember your WIFI name and password before the setting is completed, your mobile phone WIFI connection may be disconnected, you need to manually add the WIFI name of the setting, enter the password you set to connect.

Remarks:that product not supports 3G/4G

4. 2 Router working mode settings

1. Standard wireless routing mode

When you are ready to use the "standard wireless routing mode", please pay attention to plug in the available network cable in the WAN port of the device, if it is a broadband input, after the setting is completed, you need to select the mode you need in the status bar "WAN settings" - "connection mode" and "Internet access mode", PPPoE, DHCP, static IP

1) Static Internet access

Enter the working mode of the router management interface, select the standard routing mode, set the WAN to the Internet mode, select the static address, enter the IP address, network mask, gateway, DNS and other relevant parameters provided by the ISP, and click OK.

2) Dynamic Internet access

Enter the working mode of the router management interface, select the standard routing mode, select the dynamic address for WAN setting Internet mode, click OK, and the router will automatically obtain the parameters assigned by the ISP.

3) PPPoE Internet access

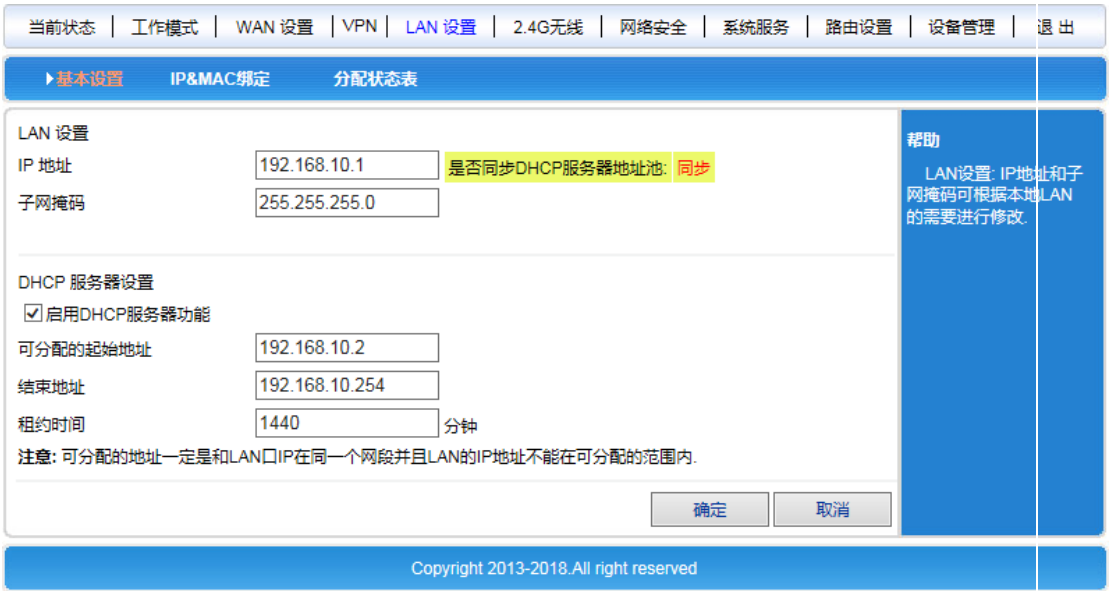
Enter the working mode of the router management interface, the standard routing mode, and the WAN setting Internet mode, select PPPoE, enter the user name, password and other relevant parameters provided by the ISP, and click OK.

3. Wireless AP +wireless client bridge mode (wireless relay) and wireless AP +client mode (wireless signal reception)

The non-essential functions are not described in detail here, and users who need to know should contact the relevant suppliers

4. 4 LAN settings

LAN Settings: The IP address and subnet mask can be modified according to the needs of the local LAN. For example, a wired camera in general.



Note: The assignable address must be in the same network segment as the LAN port IP and the LAN IP address cannot be within the assignable range

4.5 Restart at a regular interval

This router supports timed restart, and you can set a specific timed restart time as needed to improve the stability and effectiveness of the device for long-term use.

Remarks:that product not supports 3G/4G

4.6 Equipment management

1. Software upgrade

With a software upgrade, you can load the latest version of the software to your router for more features and more stable performance.

The steps to upgrade the software are as follows:

(1) Save the upgrade file of the router to your local computer.

(2) Click the <Browse> button and select the software that needs to be upgraded.

(3) Click the <Upgrade> button to start the upgrade.

Tips: After the firmware upgrade is completed (the device is turned on normally), it is recommended to press the RESET button to manually restore the factory once

2. Restore the factory value

During the reset setup, the wireless router will restart.

Restoring to factory settings will erase all the settings information of your wireless router and restore it to its original state.

Click the <Factory Reset> button, confirm it, and restore the factory settings.

3. Password management (username and password).

The default username/password of the wireless router is **admin**, the username cannot be modified, and the password can be modified. For security reasons, it is recommended to change this password and keep the password information safe.

The steps are as follows:

(1) Enter the original password in the **"Original Password"** text box; Enter a new password in the **"New Password"** text box and re-enter a new password in the **"Confirm Password"** text box to confirm.

(2) Click **the** <OK> button to complete the password change.

5. Frequently Asked Questions

1. What should I do if I forget my username and password? (How do I reset my router?))

If you forgot your username and password, or made a mistake during the setup process and could not enter the background interaction interface of the device, you can press and hold the RESET button on the device for 5-8 seconds when the router is powered on, and release it to restore the router to its factory state.

2. Can't find the WIFI signal of the router?

The computer is connected to the LAN port through the network cable, log in to the router management interface and enable/disable the "2.4G wireless" wireless function, and confirm that this option is selected and enabled. If you don't have a computer, you can also reset your router, see question 1 for details.

3. The router signal light is on, there is data transmission, but the Internet speed is slow?

(1) Please move the router to another location, such as near the window, to ensure that it can better receive the signal.

(2) Power back on and let the router restart.

(3) Shorten the distance from the router as much as possible and reduce the occlusion in the middle.

5. Why is the speed slow when using wireless Internet access?

(1) Please check whether other users in the router are doing big data downloads.
(2) Please check whether there is a strong magnetic field or strong electric field interference source around the router, such as microwave ovens, refrigerators, etc.
(3) The distance between the location of the WIFI and the equipment used, whether there are obstructions, and signal attenuation.

Product warranty card

Dear users, hello!

Thank you for choosing our product, this product is guaranteed from the date of sale.

1. Product replacement, warranty content:

1) If there is a performance problem within 7 days after the purchase of the product, and the appearance is not scratched, the new product can be directly replaced

2) Within one year of the warranty period, where the installation and use in accordance with the product instruction manual, under normal environment and conditions, due to the defects in the raw materials and processing process caused by the failure, you can enjoy free maintenance services according to the content of this warranty clause.

2. Paid maintenance services will be implemented in the following cases:

1) Failure to present the original valid warranty card;

2) Damage caused by product installation not meeting product requirements, standards and relevant specifications;

3) Damage caused by relevant accessories in the product installation environment that do not meet product requirements, standards and relevant specifications;

4) Damage caused by improper use, improper storage, unauthorized disassembly, unauthorized maintenance, etc.;

5) Damage caused by natural disasters (such as earthquakes, floods, lightning strikes), external disasters (such as fires, house collapses), etc.;

6) Failure or damage caused by improper relocation, transportation and storage due to changes in installation locations;

7) The warranty period is exceeded.

Repair records

Date	Description of the fault condition	Repair records	Signature of the maintenance officer

Note: The repair shall be carried out by the authorized maintenance unit, and the maintenance record shall be filled in and stamped, otherwise the maintenance record will be invalid and the warranty qualification will be lost.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.
To maintain compliance with FCC' s RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

Remarks:that product not supports 2G/3G/4G/5G