ResiRouter
SIMPLE COMMUNICATION

Wi-Fi 6 Router

QUICK INSTALLATION GUIDE

Version: v1.0

01/ Preface

This QIG provides hardware specifications, installation requirements and how to use your new IEEE802.11ax router/access point.

This QIG is intended for users that understand:
Network planning and IP protocols;
Field technical support and maintenance
Network administration or handle network configuration and maintennance

Due to reasons such as different model, different configuration and firmware upgrades, there may be differences between contents in this QIG and devices received. Please refer to the actual information shown on the device.

Port number shown in this QIG is for demonstration only, the port number is subject to the actual device.

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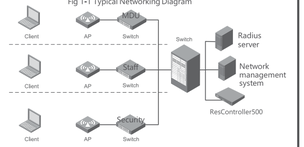
03/ Device

1. Device Introduction

Router/AP working in FIT mode is used together with ResController, all configurations are done from the ResController. A typical networking diagram is shown Fig 1-1 below.

Fig 1-1 Typical Networking Diagram



2. Installation Preparation

1. Safety precautions

Only professionals are allowed to install and assemble the AP and its accessories. Please read the safety precautions listed below before installing and operating to avoid environmental pollution and personal injury.

This note cannot cover all possible risks

1. Please take necessary safety measures to ensure the personal safety of installation personnel and protect the Router/AP device from damage.
2. Please ensure the ground of the installation site is flat and dry and take necessary anti-skid measures.
3. Please ensure that the device to be installed is clean and free of dust.
4. Please do not put the device in a wet place and ensure that the installation position of the device will not be exposed to any sources of liquid.
5. Please do not put the device and installation tools in the walking area.

2. Environmental Requirement

Before preparing for installation, the installation conditions shall also be checked to ensure that the device is in a good operating environment for the long term.

1. Temperature and Humidity Requirement

The temperature and humidity environment requirements for device operation are as follows:

ITEM	VALUE RANGE
Working Temperature	0°C~40°C
Storage Temperature	-40°C~70°C
Working Humidity	5%~95% (Non condensing)

3. Accessories

Accessories attached to device as below:

4. Installation tools (not included)

3. AP Installation

1. Installation Procedure

2. Check Before Installation

Check below before Router/AP installation:
Please power on the Router/AP, connect Router/AP to Ethernet, check LED indicator status, make sure The Router/AP works normally.
For LED indicator status pls refer to the Appendix
Please record the Router/AP MAC address and SN for future support use.

3. Router/AP Installation

(1) Install the mounting plate into wall socket by using M4 screw, see Fig 3-1
(2) Connect cable to WAN/POE and Pass Through port on bottom side of AP

Note:
The Pass Through ports on side and bottom of the AP are standard RJ45 ports, which can use as telepone line or connect according to the actual needs of users.

Fig 3-1 Install AP into Wall Socket

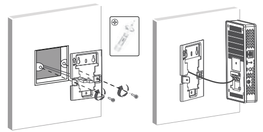
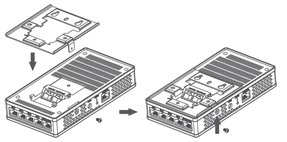


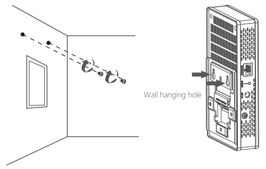
Fig 3-2 Install AP to the Wall

Installation Steps

1.First, install the mounting plate onto the Router/AP using the included screw



2.Punch holes in the wall and install screws



(3) Align the mounting hole on bottom of Router/AP with the lower edge of the protrusion of the mounting plate. Install the protrusion on the mounting plate into the mounting hole of AP, then press it to fix the Router/AP into position. Finally tighten the theft protection M3x4 screw on side of Router/AP. See figure below:

3.4 Connect Router/AP to the Power Supply (not included)

The Router/AP supports a DC (not included) and 802.3af/at PoE power supply. Users can choose a suitable power supply type according to actual networking environment.

1) Check Before Powering On

After installation, below points need to be checked before power on the device:
When using DC power supply, make sure local AC power has good ground connection
When using PoE power supply, make sure PoE PSE has good ground connection

2) PoE Power Supply

Connnect PoE port of PoE switch to PoE In port on bottom of Router/AP with LAN cable to provide PoE power supply to Router/AP. See Fig 3-5 below.

Fig 3-5 PoE Power Supply

3). DC Power Supply

Note:

A DC power adaptor is not included in the package.

Table 3-1 DC power adaptor specification

ITEM	SPECIFICATION
Power Input	100-240V AC
Power Output	+12V ⎓ 1A DC

Fig 3-6 DC Power Supply

4). Power On Check

After connecting the Router/AP to a power source, please check if the LED indicator is normal. For LED indicator status, please refer appendix Fig A-3.

3.5 Connecting the Router/AP to network

There is no need to configure AP itself, all configurations are done from ResController if deployed.

Appendix

A.1 Basic Specification

Table A-1 Basic Specification

ITEM	WIRELESS AP
Protocols	IEEE802.11a/b/g/n/ac/ax
Dimensions (WxDxH)	160mm x 86mm x 30mm
Net Weight	0.25kg / 0.5lbs
Antennas	Intenal anternnas
Power Consumption	≤12.95W (without USB) ≤15.45W (with USB)

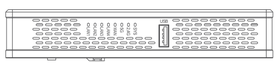
A.2 LED Indicator

Notes:

LED indicator normal status and corrsponding twinkle frequency:

- Blink frequency 0.5Hz: Blink once each second
- Blink frequency 1Hz: Blink once each second
- Blink frequency 2Hz: Blink twice each second

Fig A-2 LED Indicator Diagram



1: SYS indicator
2: 2.4G & 5G WiFi indicator
3: WAN/LAN indicator

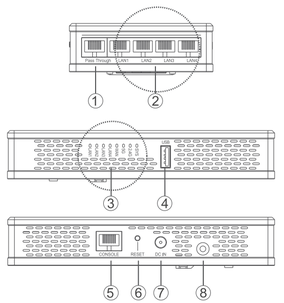
Fig A-3 Indicator Definition

Indicator	Color	Status	Definition
POWER	Red	OFF	Power is off or LED indicator is in off status
		ON	Device is initializing or abnormal initialization
WiFi	–	OFF	No wireless client communicating with AP or LED indicator is disabled in firmware
	Green	Blink	Wireless client is communicating on 2.4G port
	Green	Blink	Wireless client is communicating on 5G port
WAN/LAN	–	OFF	No connection on WAN/LAN port
	Green	ON	Port negotiation rate is 1000Mbps
		Blink	Port is working normally at 1000Mbps

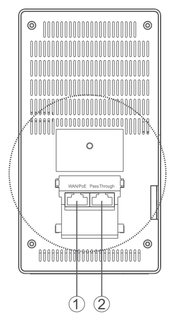
A.3 Ports

1* Console port
4* 10/100/1000M LAN ports
1* 10/100/1000M WAN port with PoE support
1* DC IN (DC power supply not included)
2* Pass Through ports
1* USB port
1* RESET

Fig A-4 Router/AP Port Diagram



① Pass Through
② 10/100/1000M
③ LAN LED Indicator
④ USB
⑤ CONSOLE
⑥ RST
⑦ 12V/DC
⑧ Theft protection jack



1: WAN/PoE In port
2: Pass Through port

Fig A-5 Port Definition

PORT	STANDARDS	DESCRIPTION
Console	RS/EIA-232	AP management and configuration Note: For maintenance staff use only
Ethernet	IEEE802.3 IEEE802.3u	10/100/1000M Ethernet ports Corresponding ports: GE1/0/2~GE1/0/5 port in MAP file gigabit Ethernet 2~ gigabit Ethernet 5 in AC configuration
12V DC	–	DC Power Input to AP
Pass Through	IEEE802.3 IEEE802.3u	Two Passthrough ports for phone or RJ45 cable connection
USB	USB2.0	Data transmission or power supply
Reset	–	Press less 5 seconds, restart AP Press over 5 seconds, restore factory default

ICC Networking
www.iccnetworking.com
support@iccnetworking.com

说明书（新款）说明书 (材质80g双胶书纸 双面印刷 折页 有折位) 尺寸80x112mm 待定 型号FAP800 品牌中性 通用安装指导

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. 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.

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.

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20 cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.