

# WA603SN Installation Pocket Guide 快速安装指南



Please download the detailed product documents from "<http://support.huawei.com/support/>".

The detailed path is as follows: Technical Support->Documentation->Access Network->WLAN->WLAN->Product Documentation->WA603SN

详细产品资料请至 <http://support.huawei.com/support> 网站下载。

具体路径如下：技术支持->文档->接入网->WLAN->WLAN->产品文档->WA603SN

Before installation, confirm that the installation accessories and tools are available.

在安装前，请检查安装附件和工具是否齐全：

Installation accessories:

安装附件：



Installation component suite  
安装套件



Screw  
螺丝

Installation tools:

安装工具：



Electric drill  
电钻

10 mm Phillips screwdriver  
10mm 十字螺丝刀

Hammer  
铁锤

Marker  
记号笔

5 mm drill bit  
直径5mm 钻头

## Technical Support 技术支持

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## Packing List

### 装箱单

After unpacking the product, check and accept product items one by one according to the *Packing List* in the packing box.

If the actual items are different from the those listed in *Packing List*, contact the supplier.

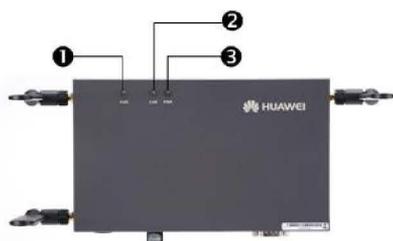
打开产品包装后，请根据包装箱中的装箱单对所要验收的货品进行仔细核对，逐件验收。如与实际不符，请与供应商联系。

## Device Overview

### 设备简介

#### Device LEDs

##### 设备指示灯



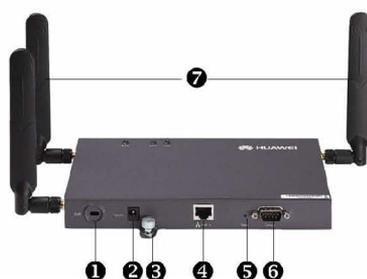
#### Introduction to LEDs

##### 指示灯介绍

No. 序号	Name 名称	Description 说明
1	2.4G	Green and on: The RF unit is turned on. 绿色常亮：表示射频单元开启。
		Blinking (0.25s): Data is being transmitted. 闪烁 (0.25s)：表示正在传送数据。
		Off: The RF unit is turned off. 熄灭：表示射频单元关闭。
2	LAN	Green and on: A 10/100/1000 Mbit/s Ethernet connection is already set up. 绿色常亮：10/100/1000Mbps 以太网连接已经建立。
		Blinking (0.25s): Data is being transmitted on the Ethernet link. 闪烁 (0.25s)：表示以太网链路正在传送数据。
		Off: The Ethernet link is disconnected or is already shut down. 熄灭：表示以太网链路没有连接或者已经关闭。
3	PWR	Green and on: The device is functioning properly. 绿色常亮：表示设备正常工作。
		Off: The device is powered off or is faulty. 熄灭：表示设备已断电或故障。
		Blinking (1.0s) at startup: The system is under self-test or is loading software and programs. 启动阶段闪烁 (1.0s)：系统正在自检或载入软件程序。
		Blinking (0.5s) at runtime: The system detects an abnormality at runtime. 运行阶段闪烁 (0.5s)：运行阶段系统检测到异常。

#### Front panel of the device

##### 正面接口图



#### Introduction to interfaces

##### 接口介绍

No. 序号	Name 名称	Description 说明
1	Safety lock 安全锁	Safety lock slot for anti-theft of the device 安全锁槽，防止设备被盗。
2	12V DC	DC power port for connecting to the power supply adapter 直流电源接口，用于连接电源适配器。
3	Screw 固定螺丝	Used to fasten the device to a position. 将设备固定在某个固定位置。
4	PoE IN	Ethernet port for connecting to the PC or switch. The port supports PoE. 以太网口，用于连接计算机或者交换机，且支持PoE。
5	Reset button 重启按钮	If you hold down the button for less than 10s, the device restarts. If you hold down the button for equal to and greater than 10s, the device is restored to the factory defaults. 短按10秒以内，设备重新启动；长按10秒以上，设备将恢复出厂默认设置。
6	Serial port 串口	Connected to the WA603SN for management by using a serial port cable. 通过串口线连接到WA603SN进行管理。
7	Antenna 天线	Removable antenna for signal coverage 可拆卸天线，用于信号覆盖。

# Installation and Commissioning

## 安装与调试

### 1 Fastening the WA603SN

#### 设备固定

Determine the proper installation position and reserve more than 10 cm above and around the device for heat dissipation.

请选择合适的安装地点，并在设备四周和顶部留出10cm以上的散热空间。

The WA603SN can be placed on a workbench, or installed on a wall or ceiling.

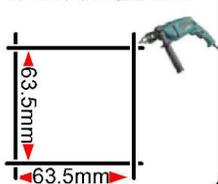
WA603SN可以放置在水平工作台上，也可以安装在墙面或天花板上。

Perform the following operations to install the WA603SN on a wall or ceiling:

安装在墙面或天花板上的步骤如下：

1 Use a hanging part, and a marker to mark the positions of screw holes on the wall or ceiling. Use a hammer drill to drill holes on the marked positions.

使用壁挂件，在墙上或天花板上用记号笔标出螺丝孔位置。用冲击钻在标记位置钻孔。



2 Use a screwdriver to fasten the hanging part to the holes.

用螺丝刀拧紧螺丝将壁挂件固定在打孔位置上。



3 Take the antennas out of the WA603SN packing box and install them one by one onto the corresponding antenna ports.

将WA603SN包装中所配的天线逐一拧到相应的天线接口。



6 (Optional) To prevent unauthorized personnel from moving the device, use a safety line (which needs to be configured separately) to lock the device to an irremovable object.

(可选) 为防止未经授权的人随意移动设备，用安全线（需另配）将设备锁在一个固定的物体上。



5 Use a flat-head screwdriver to secure the WA603SN.

用一字螺丝刀拧紧螺丝钉以固定WA603SN。



4 Move the WA603SN to the three circles shown in the figure by following the arrow direction.

按图中箭头的方向滑动到三个圆圈所在位置。

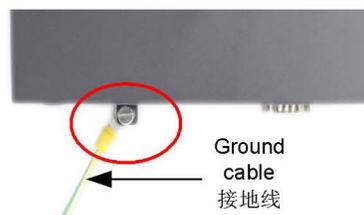


#### Notice

#### 注意

In the actual installation, if the AP needs to be grounded, install a ground cable in the red area shown in the figure on the right after installing the hanging part. The figure on the right shows the ground cable.

如果实际安装场景中需要将AP设备接地，请在安装完壁挂件后，在右图红色区域处安装接地线。安装完成示意图如右图所示。



Ground cable  
接地线

### 2 Field strength

#### 场强示意



#### Note 说明

The figure shows the field strength. The antenna coverage strength of the AP varies with the antenna position. Therefore, it is recommended that you adjust the antenna position to include all users in the signal coverage of the antenna. This figure shows the best effect of antenna connection can be obtained within the antenna field strength range.

场强示意如图所示。由于AP设备的天线覆盖强度有差别，建议调整天线的位置，使用户集中在天线的信号覆盖范围内，即图中的天线场强范围内，获取无线连接的最佳效果。

### 3 Connecting the Cables

#### 连接线缆

1



DC cable  
直流线缆: 12V DC



#### Note 说明

- Use a The WA603SN supports the PoE power mode and the DC power mode.
- When both PoE power mode and DC power mode are available, the DC power mode is by default, used.
- Use only the power adapter that is delivered with the device. Otherwise, the device may be damaged.
- WA603SN支持PoE供电和直流供电两种方式。
- 当PoE供电和直流供电同时存在时，默认由直流供电。
- 请使用设备自带的电源适配器供电，否则将造成设备损坏。



2



Network cable  
网线



#### Note 说明

Ensure that the network cable is operational when the AP is connected to the Ethernet. If the network cable is abnormal (such as short circuit of the RJ45 connector), the AP may fail to be powered on or the AP status may be abnormal. Therefore, before connecting the network cable, you can use a testing tool to verify that the network cable is operational. If the network cable is abnormal, replace it in time to ensure that the AP is working normally.

AP连接以太网时需要保证以太网线正常。如果网线不正常（比如水晶头短路），可能导致AP无法上电、AP状态不正常等情况。故在连接网线前，可以使用网线检测工具检测网线是否正常。如果不正常，请及时更换，以免造成AP设备无法正常使用。



4



#### Note 说明

After powering on the WA603SN, check the status of the PWR LED. When the WA603SN is in the normal state, the LED functioning properly, the PWR LED stops blinking and is always on, and other LEDs are functioning properly. If the PWR LED keeps blinking, the self-test process is not completed.

WA603SN上电后，观察PWR指示灯状态，正常状态为停止闪烁并保持常亮，同时其他指示灯启动。如果PWR LED没有停止闪烁，则表示自检程序没有完成。



3



Serial port cable  
串口线



#### Note 说明

This step is optional. Perform this step only when you need to commission the AP.

此步骤可选，当需要对AP设备进行调试的时需要执行此步骤。

# Collecting the MAC Address of the A603SN

## 采集MAC地址

- During the field construction, the hardware installation engineer collects the "MAC address bar code label" of the WA603SN in the packing case and provides it to the software commissioning engineer for configuring and managing the WA603SN remotely.  
现场施工时，硬件安装工程师需采集WA603SN的“MAC地址”，提供给软调工程师用于远程配置管理WA603SN。



Hardware installation engineers paste the MAC address to the proper place in the following table and record the actual place where the WA603SN is installed.

硬件安装工程师采集时，需把图中所指示的“MAC地址”标签从设备上撕下，粘贴到下面表格中的对应位置，并记录下WA603SN安装的实际位置。

- After hardware installation, hardware installation engineers provide the following table to software commissioning engineers.  
硬件施工完毕，将该纸张提供给软调工程师。

No. 序号	Device 设备型号	MAC Address MAC地址	Device Installed at 设备所处位置
1	WA603SN		Floor xx, Unit xx, xx Building XX大厦XX楼XX层

## Physical Specifications

### 物理规格

Item 分类	Description 说明
Weight 重量	960g
Dimensions (L x W x H) 尺寸 (长×宽×高)	210mm×125mm×25mm
Power adapter 电源适配器	Input: 90 to 264 VAC 输入: 90V~264V AC