

LINOVISION

带 PoE 供电与 RS485 接口的工业级
户外无线网桥

IOT-W306S

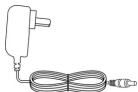
快速指南 (V1.1/2026-4-16)



包装



IOT-W306S



电源适配器

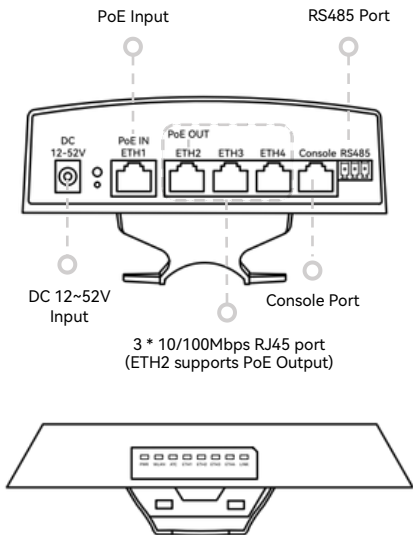


抱箍

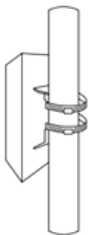


快速导览

接口

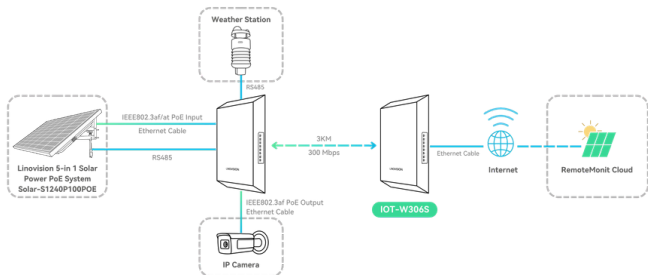


安装



壁挂安装与抱杆安装

连接示意图



WEB Login

网页登录步骤

该设备出厂默认配置为无线接入点（发射端），处于未配对状态。如需搭建无线网桥，需先配置无线接入点（发射端），再配置用户终端设备（接收端）。

步骤 1 登录网页管理界面

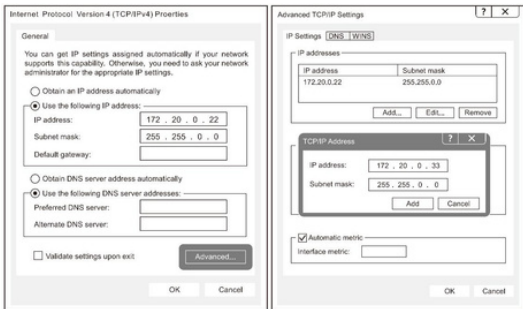
注意：本步骤适用于发射端（AP）与接收端（CPE）。需为每台设备配置 IP 地址，确保后续可正常访问调试。

1.1 配置电脑 IP 地址

将电脑 IP 地址设置为与设备默认 IP 同一网段。 • IP address:

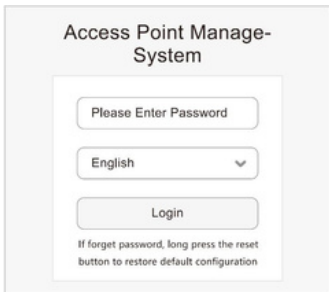
172.20.X.X

• Subnet mask: 255.255.0.0



1.2 网页登录

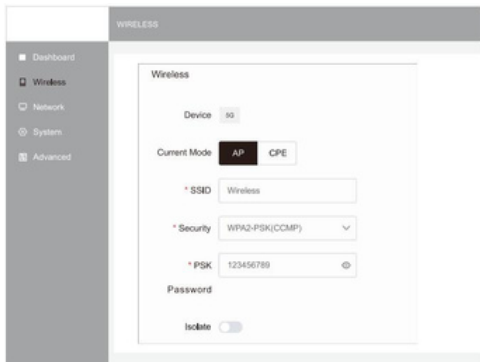
1. 打开网页浏览器（推荐谷歌浏览器或微软 Edge 浏览器）。
2. 输入设备默认 IP 地址：http://172.20.0.1
3. 输入登录密码，点击登录。
 - 默认 IP 地址：172.20.0.1
 - 密码：admin



步骤 2 无线配置

2.1 AP（发射端）配置

1. 进入【无线】页面。
2. 选择工作模式为 AP（发射端）。



无线设置

- SSID (无线网络名称) : Wireless
- 加密方式: WPA2-PSK (CCMP)
- 密码 (预共享密钥) : 123456789

如需多个无线网桥分组, 请修改无线网络名称 (SSID) 以区分各组。

AP IP 地址

- 默认 IP 地址: 172.20.0.1
- 可根据需要修改 IP 地址

3. 点击确认保存设置

2.2 CPE (接收端) 配置

- 进入无线设置页面。
- 工作模式选择 CPE (接收端)。

The screenshot shows the 'WIRELESS' configuration page. On the left is a navigation menu with 'Dashboard', 'Wireless', 'Network', 'System', and 'Advanced'. The main content area is titled 'WIRELESS' and contains the following settings:

- Device: 99
- Current Mode: Radio buttons for 'AP' and 'CPE', with 'CPE' selected.
- * SSID of: Text input field containing 'Wireless', with a 'Save' button.
- Remote AP: Section with a 'MAC of' text input field.
- Remote AP: A note stating 'This parameter is optional. If you write to the peer MAC address, the device is bound to the specified upper-layer device.'
- * Security: Dropdown menu set to 'WPA2-PSK(CCMP)'. A small 'v' icon is visible.
- * PSK: Text input field containing '123456789', with a 'Show/Hide' icon.
- Password: Label below the PSK field.

无线配对

- 扫描并选择发射端 (AP) 的 SSID, 输入无线密码;
- 或手动输入 SSID 与密码。
- 默认无线网络名称 (SSID) : Wireless
- 默认密码: 123456789

当 SSID 和密码与发射端 (AP) 一致时, 配对成功。

CPE IP 地址

- 默认 IP: 172.20.0.2
- 可根据需要修改 IP 地址

对于点对多点应用场景, 每台设备必须使用独立的管理 IP 地址。

示例:

- AP: 172.20.0.1
- CPE 1: 172.20.0.2
- CPE 2: 172.20.0.3

3.点击确认保存设置。

步骤 3 网络配置

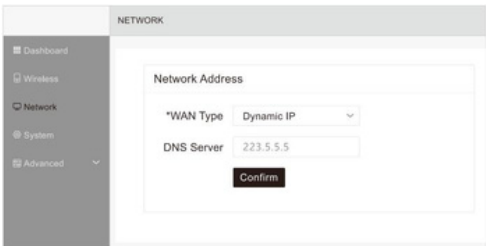
注: 选择动态 IP或静态 IP其中一种。

3.1 动态 IP (DHCP)

选择动态 IP, 自动获取网络参数。

- WAN 口类型: 动态 IP

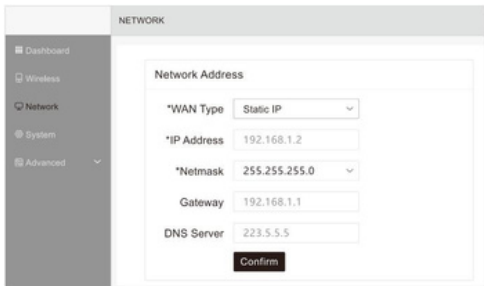
点击确认保存。



3.2 静态 IP

选择静态 IP，手动配置网络参数。

- IP 地址
- 子网掩码
- 网关
- DNS 服务器



The screenshot shows a web-based network configuration page titled "NETWORK". On the left is a sidebar menu with options: Dashboard, Wireless, Network (selected), System, and Advanced. The main content area is titled "Network Address" and contains the following fields:

- *WAN Type: Static IP (dropdown menu)
- *IP Address: 192.168.1.2 (text input)
- *Netmask: 255.255.255.0 (dropdown menu)
- Gateway: 192.168.1.1 (text input)
- DNS Server: 223.5.5.5 (text input)

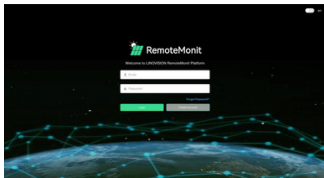
A "Confirm" button is located at the bottom of the form.

TCP 网关配置

1. 添加新 TCP 网关

步骤 1 登录远程监控 (RemoteMonit) 平台

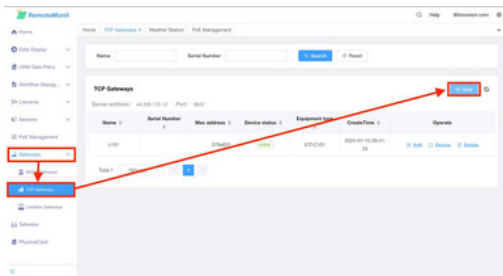
- 打开远程监控平台 <https://remotemonit.com/> 登录你的账号。
- 若无账号，请先注册新账号。



步骤 2 添加新 TCP 网关

在左侧侧边栏，依次进入：

Gateways → TCP Gateways → + New to add a new TCP gateway.



步骤 3 配置网关信息

按如下要求填写所需信息：

- 名称：网关名称，可自定义填写。
- 设备类型：根据当前使用设备，选择对应的设备型号。
- MAC 地址：可在设备背面标签或设备配置详情页查看。
- 序列号：（选填）用于识别或管理具体设备信息。
- 时间间隔：TCP 网关的数据传输间隔，根据使用需求在 10-300 秒之间选择。

New ✕

* Name

* Equipment type

* Mac address

Serial Number

* Timeinterval s

2.网关匹配

远程监控 (RemoteMonit) 平台支持 IOT-W306S 作为 TCP 网关。按照以下步骤将设备接入远程监控平台。

步骤 1 下载配置工具

扫描首页二维码，下载 VirCom_en.rar 文件。

步骤 2 选择设备

解压 VirCom_en.rar，然后打开该工具。
点击选择设备，选中需要接入远程监控平台的设备。

步骤 3 配置 TCP 客户端参数

按如下要求配置参数：

- 设置注册数据包 (Register Pkt) 与设备 ID (Dev ID) 匹配
- 工作模式选择 TCP 客户端 (TCP Client)
- 设置目标 IP / 域名 (Dest. IP/Domain) 及目标端口 (Dest. Port)，与远程监控平台 (RemoteMonit) 显示的服务器地址和端口保持一致

The screenshot shows the VirCom configuration interface. On the left, the 'Device Info' tab is active, showing 'Dev ID' as '28751000000000000000'. The 'Network' section is configured with 'IP Mode' set to DHCP, 'Work Mode' set to TCP Client, and 'Dest. IP/Domain' set to '192.168.1.1'. The 'Advanced Settings' section shows 'Register Pkt' set to '28751000000000000000' and 'Dest. Port' set to '8080'. On the right, the 'RemoteMonit' application window is open, displaying a table of TCP gateways. The table has columns for Name, Serial Number, Max address, Service status, Equipment type, and Hostname. The first row is highlighted, showing '192.168.1.1' as the Max address and '8080' as the Service status.

Name	Serial Number	Max address	Service status	Equipment type	Hostname
192.168.1.1	192.168.1.1	192.168.1.1	8080	192.168.1.1	192.168.1.1
192.168.1.2	192.168.1.2	192.168.1.2	8080	192.168.1.2	192.168.1.2
192.168.1.3	192.168.1.3	192.168.1.3	8080	192.168.1.3	192.168.1.3
192.168.1.4	192.168.1.4	192.168.1.4	8080	192.168.1.4	192.168.1.4
192.168.1.5	192.168.1.5	192.168.1.5	8080	192.168.1.5	192.168.1.5
192.168.1.6	192.168.1.6	192.168.1.6	8080	192.168.1.6	192.168.1.6
192.168.1.7	192.168.1.7	192.168.1.7	8080	192.168.1.7	192.168.1.7
192.168.1.8	192.168.1.8	192.168.1.8	8080	192.168.1.8	192.168.1.8
192.168.1.9	192.168.1.9	192.168.1.9	8080	192.168.1.9	192.168.1.9
192.168.1.10	192.168.1.10	192.168.1.10	8080	192.168.1.10	192.168.1.10

步骤 4 应用设置

点击修改设置。
当设备状态在远程监控平台显示为在线时，即表示配置完成。

技术规格表

Hardware Specifications		
DRAM	DDR2, 64 MB	
Flash	8 MB	
Network & Device Interfaces		
Ethernet Ports	3 × 10/100 Mbps RJ45 ports (1 port supports IEEE 802.3af PoE output; 1 port supports IEEE 802.3af/at PoE input)	
Uplink Port	1 × 10/100 Mbps uplink Ethernet port	
Console Port	1 × console port	
RS485 Interface	1 × RS485 interface	
DC Power Interface	1 × DC input (DC 12–52 V, 2 A input; internally boosted to DC 48 V to enable IEEE 802.3af PoE output on ETH2; maximum output power 15 W)	
Wireless Data Rates		
802.11a	54, 48, 36, 24, 18, 12, 9, 6 Mbps	
802.11n HT20	7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7, 115.6, 130, 144.4 Mbps	
802.11n HT40	15, 30, 45, 60, 90, 120, 135, 150, 180, 240, 270, 300 Mbps	
Wireless Technology		
Transmission Method	Direct Sequence Spread Spectrum (DSSS)	
Modulation	OFDM / BPSK / QPSK / CCK / DQPSK / DBPSK	
Standards & Protocol Support		
Wireless Standards	IEEE 802.11n, IEEE 802.11a	
Ethernet Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x	
PoE Standards	IEEE 802.3af, IEEE 802.3at	
Network Protocols	CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP, NDIS3, NDIS4, NDIS5	
RF Characteristics		
Frequency Range	4900–6100 MHz	
RF Output Power (@25 °C ±2 dB)		
802.11a	6–24 Mbps	27 ±2 dBm
	36–48 Mbps	26 ±2 dBm
	54 Mbps	25 ±2 dBm

Specifications

802.11a	6–24 Mbps	27 ±2 dBm
	36–48 Mbps	26 ±2 dBm
	54 Mbps	25 ±2 dBm
802.11n HT20	MCS 0–3	27 ±2 dBm
	MCS 4	26 ±2 dBm
	MCS 5	25.5 ±2 dBm
	MCS 6	25 ±2 dBm
	MCS 7	24.5 ±2 dBm
802.11n HT40	MCS 0–3	26 ±2 dBm
	MCS 4	25.5 ±2 dBm
	MCS 5	25 ±2 dBm
	MCS 6	24.5 ±2 dBm
	MCS 7	24 ±2 dBm
Receiver Sensitivity		
802.11a	6Mbps ≤ -89; 54Mbps ≤ -73	
802.11n	HT20	MCS 0 ≤ -86; MCS 7 ≤ -68
	HT40	MCS 0 ≤ -83; MCS 7 ≤ -65
Antenna		
Frequency Range	4900–6100 MHz	
Polarization	Vertical / Horizontal	
Gain	16 dBi	
Switching & Forwarding Performance		
Switching Capacity	1 Gbps	
Packet Forwarding Rate	12.96 Mpps	
Forwarding Mode	Wire-speed forwarding on all ports	
MAC Address Table	4K	
Port Auto-Negotiation	Supported	
Power System		
Power Input	DC 12–48 V / PoE 48 V	
Boost Converter Input	DC 12–36 V, 2 A	

Specifications

Maximum PoE Output Power	15 W
Power Consumption	≤ 6 W
Management & Security	
Management Methods	WEB-based management, SNMP MIB, Telnet, Serial
MAC Address Control	Not supported
Encryption	WEP (64/128-bit), WPA, WPA2, 802.1X
Serial Device Server (RS485)	
Interface	RS485 terminal
Ethernet Protection	RJ45 interface, 2 kV surge protection
Serial Signals	RXD, TXD, GND
Baud Rate	300–115200 bps
Parity	None, Odd, Even, Mark, Space
Data Bits	5–9 bits
Flow Control	None
Software & Configuration	
Supported Protocols	Ethernet, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS
Configuration Methods	ZLVirCOM tool, Web browser, device management function library
Communication Method	TCP/IP direct communication, virtual serial port mode
Operating Mode	
Operating Temperature	-30 to +65 °C
Storage Temperature	-50 to +80 °C
Humidity (Non- condensing)	≤95% (non-condensing)
Humidity (Non- condensing)	≤95% (non-condensing)
Product Specifications	
Dimensions (L × W × H)	228 × 135 × 45 mm (8.98 × 5.31 × 1.77 in)
Weight	0.4 kg (0.88 lb)

LED Indicators

LED	Status	Indication
PWR	On	Power is on and device is operating normally
WLAN	On	Wireless signal is transmitting normally
ATC (Uplink Port)	On	Uplink port is connected normally
	Blinking	Data is being transmitted
ETH 1-4	On	Ethernet port is connected normally
	Blinking	Data is being transmitted
Link (RS-485 Port)	On	RS-485 connection is established normally
	Blinking	Data is being transmitted