NEXIS

User Manual



AP3000W 5G WIFI Conference AP Transmitter

802.11ac wireless access point

The AP uses PoE power supply, which is simple and convenient to install and use.

network throughput

Adopting 802.11n and 802.11ac dual-band dual spatial stream technology, it provides Gigabit WiFi access up to approximately 1.2Gbps to meet indoor large-capacity and high-throughput application requirements.

Flexible configuration

Under different network sizes, different configuration methods can be used for flexible deployment. In small networks, fat mode can be used for independent deployment and flexible application. In large-scale networks, it can be used in conjunction with wireless network controllers to achieve centralized management and control, greatly improving the reliability of operation and maintenance.

wireless security

Wireless AP supports multiple authentication encryption standards including OPEN, WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.11i, and provides MAC, WEB, 802.1x authentication, phishing AP detection, wireless user isolation and wireless Security features such as user black and white lists provide users with a secure network application environment.

802.11n+802.11acdual-band dual-stream

Fat/thin mode switching

Multiple SSIDs (32 SSIDs)

Automatic channel adjustment

Automatic terminal type recognition

Automatic power adjustment

Dynamic receiving sensitivity

Flow control/QoS

Power supply/installation

PoE power supply (802.3at)

Ceiling, floor-mounted, wall-mounted installation

Secure network

Wi-Fi secure access (WPA/WPA2)

MAC address filtering

User isolation mechanism

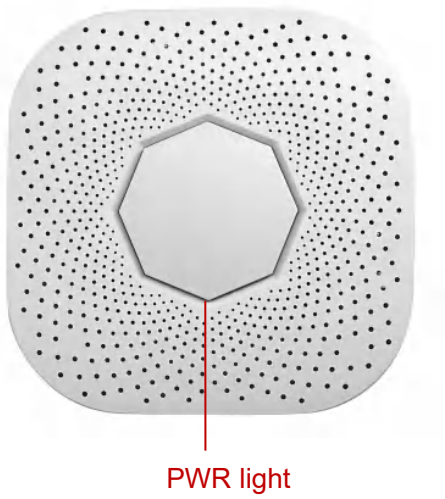
Management and maintenance

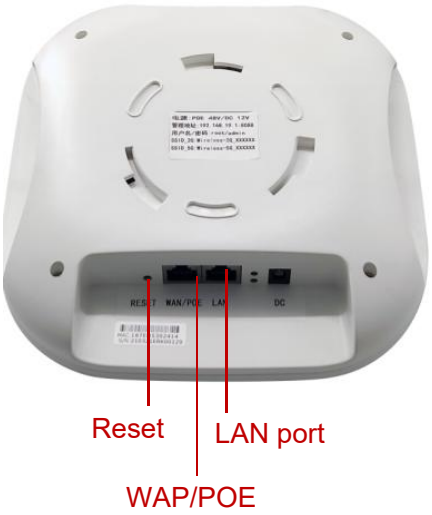
- Web/Telnet/SNMP

Flexible installation

The wireless AP has a stylish and exquisite design, and can be installed on the wall, on the wall, or on the ceiling according to your needs. The smart AP adopts PoE power supply method to avoid tedious wire pulling and is flexible and convenient to install and use.

Device interface/indicator light





Technical Parameters

Specification	
Port	• 1×10/100/1000M Internet port，RJ45 • 1×USB
Key	• 1×Reset
Light	• RUN light
Setup	• CPU 775MHz • RAM 128MB • FLASH 16MB
Wireless Module	• 802.11b/g/n MIMO 2*2（300Mbps） • 802.11ac MIMO 2*2（866Mbps）
Work frequency band	• 2.412~2.472GHz • 5.15~5.85GHz
Wireless transmission power	• 27 dBm
MTBF	• >100,000 hours
Function	
Networking method	➢ Multiple ways of flexible networking: ➢ Fat AP: Work independently. ➢ Thin AP: Works in coordination with AC.
management style	• Local WEB management • Access Controller (AC) Management • SNMP remote management
Q_OS	• Support 802.11e

	• Support TOS mapping • Supports flow control based on MAC, AP, SSID, VLAN and Radius tags
Wireless Security	• Open system • ŸSupport WEP • WPA-Personal/Enterprise • WPA2-Personal/Enterprise • WEP 64/128-bit Encryption • EAP-SIM/EAP-AKA/EAP-MD5/EAP-TLS/EAP-TTLS/PEAP • Supports DDOS prevention • Support ACL • Support wireless IPS/IDS • Phishing AP detection • User business isolation • Support static/dynamic black and white lists
WLAN Feature	• Automatic channel selection • Automatic power control • Supports 32 SSIDs • SSID hidden • Limit on the number of users • Automatic aging when the user has no traffic • Turn off the SSID function regularly • 5G priority access function • 11n user priority access function • Low quality user filtering feature
Specification	
Capacity	■ Instrument testing for optimal performance (2.4G) ■ ≥100 users access ■ 50 ≥ users connected at the same time (2Mbps per user) ■ Typical application performance ■ ❙ Access for ≥50 wireless users (meeting basic network usage requirements) ■ ≥25 wireless users connected at the same time (1.5Mbps per user) ■ Instrument testing for optimal performance (5G) ■ ≥128 users access ■ 100 ≥ users connected simultaneously (3Mbps per user) ■ Typical application performance ■ ❙ Access for ≥80 wireless users (meeting basic network usage requirements) ■ ≥60 wireless users connected simultaneously (3Mbps per user)
Hardware parameters	
Size	• 180mm ×60mm
Weight	• 0.27Kg

antenna	• 2.4GHz：3dBi • 5 GHz：3dBi
Supply	• POE（IEEE 802.3at）
Power consumption	• average power consumption 11W • Peak power consumption 20W
temperature	• Operating temperature：-10℃～50℃
humidity	• Working humidity：10%～90%
Protection level	• IP31
Installation	• Ceiling, mounted, wall mounted
Certification	• WiFi Alliance ■ WMM （WiFi Multimedia） ■ WiFi Certified Passpoint™7 • CCCi • Radio transmitting equipment model approval certificate

1. Connect to AP via PC to modify SSID:

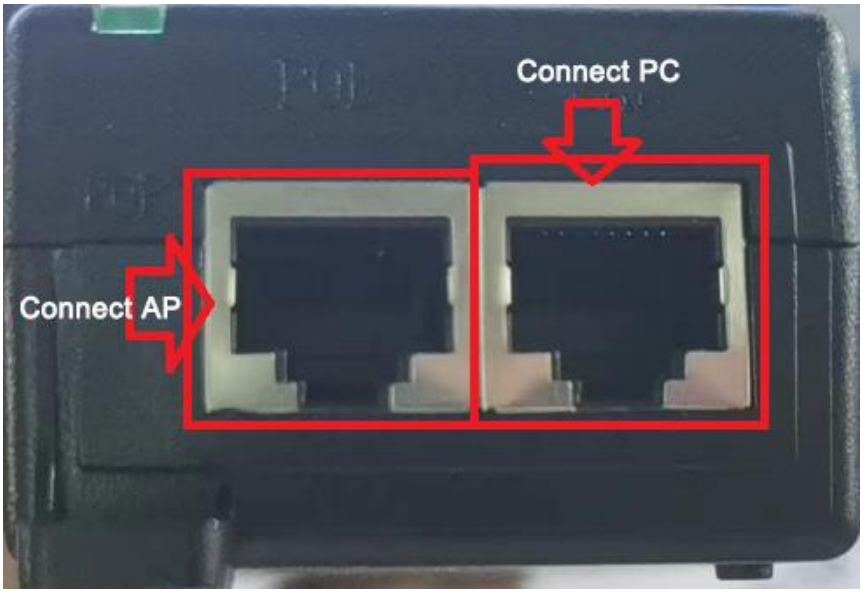
(1) It is necessary to modify the Ethernet segment of the PC and the AP to be in the same network segment

AP IP: 192.168.1.1

PC should be configured as:



(2) Hardware PC connected to AP

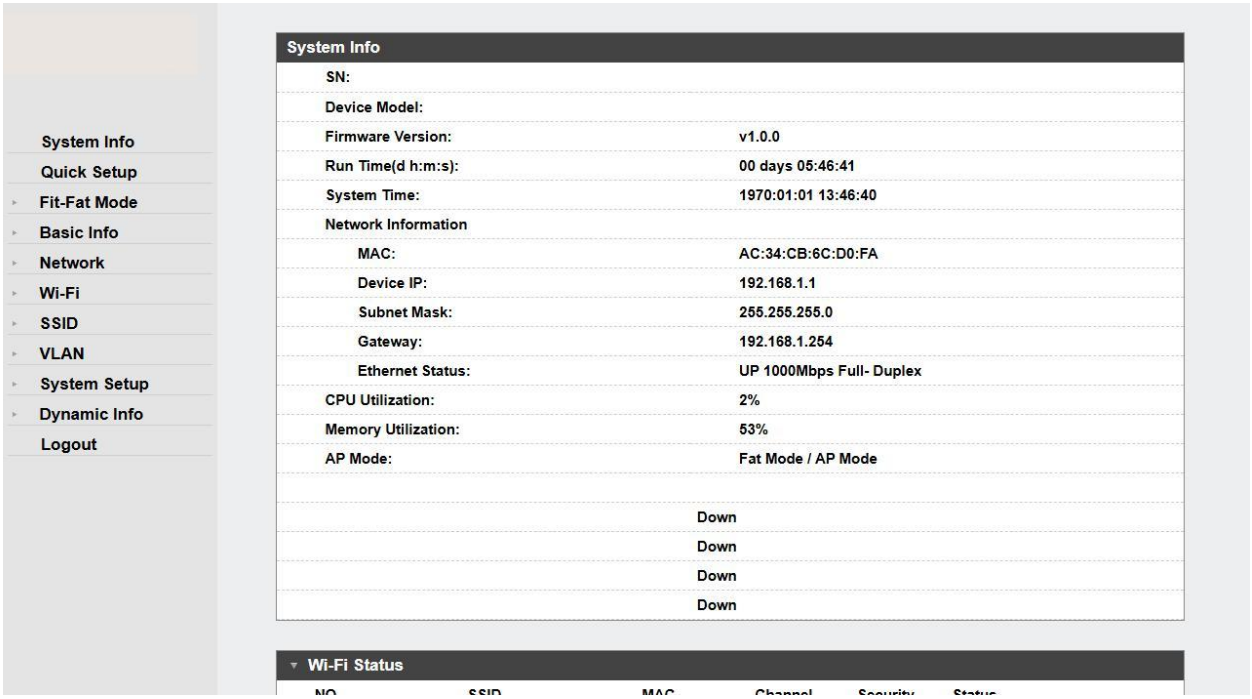


(3) Software PC connects to AP

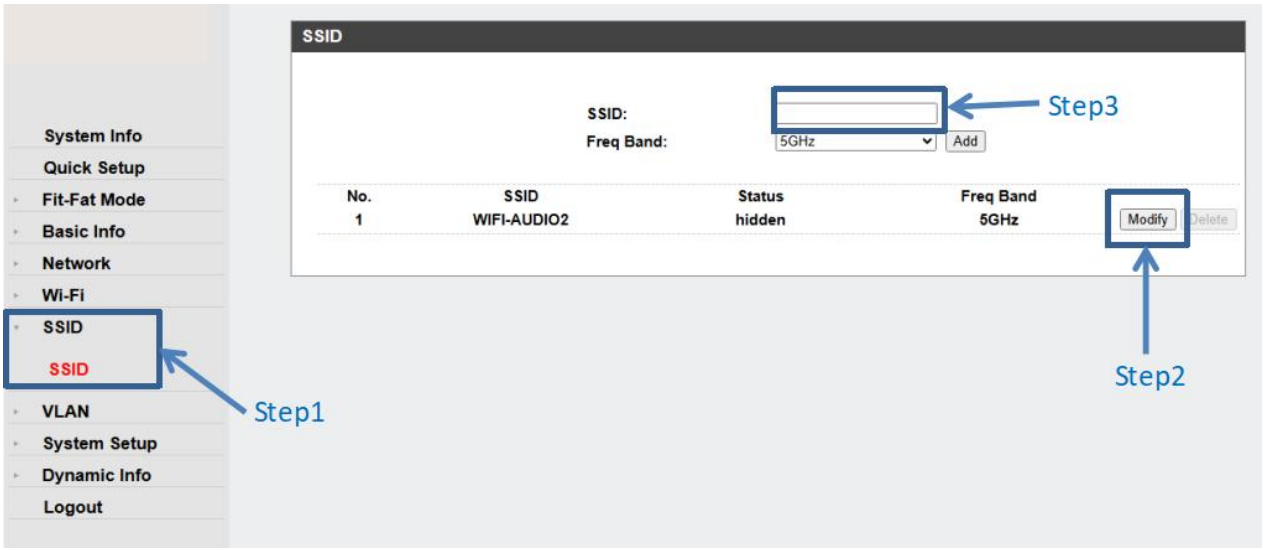
AP direct web access: 192.168.1.1
(It is best to access without a network and clear the browsing history) Enter the following page



Username: admin
AP password: LW_1023Q
Log in to the AP information control page as follows



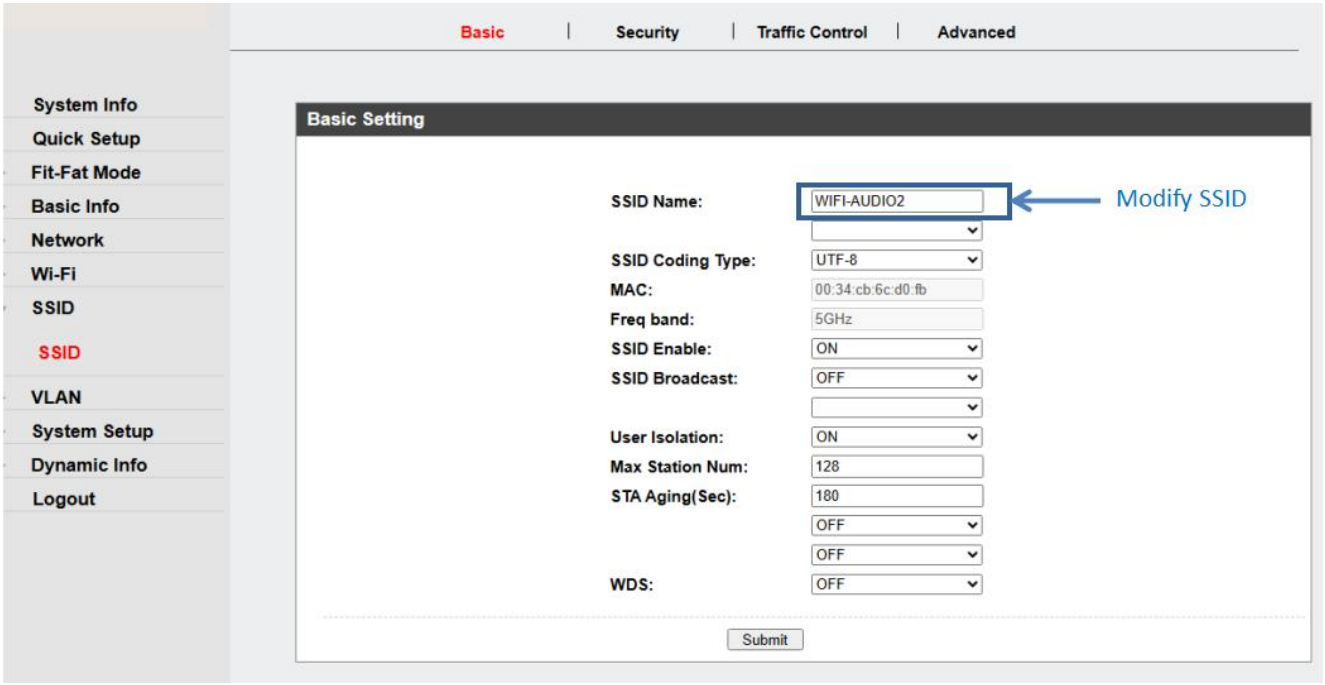
(4) Modify SSID



Step1:Click on SSID

Step2:Click on Modify

Step3:Then can Modify SSID


Basic | Security | Traffic Control | Advanced
System Info
Quick Setup
Fit-Fat Mode
Basic Info
Network
Wi-Fi
SSID
SSID
VLAN
System Setup
Dynamic Info
Logout
Basic Setting
SSID Name:
WIFI-AUDIO2
Modify SSID
SSID Coding Type:
UTF-8
MAC:
00:34:cb:6c:d0:fb
Freq band:
5GHz
SSID Enable:
ON
SSID Broadcast:
OFF
User Isolation:
ON
Max Station Num:
128
STA Aging(Sec):
180
OFF
OFF
WDS:
OFF
Submit



CAUTION: Do not open the equipment cover arbitrarily, so as not to electric shock. Please contact the professionals to maintian if necessary.

The products are constantly improving, subject to change without prior notice.