SY200

Outdoor WiFi CPE

Description：

SY200 is a high-performance enterprise-class outdoor bridge product that supports 802.11n technology in the 2.4G band. Unique digital tube matching technology makes point-to-point, point-to-multipoint (within 8 points) device pairing easy without computer configuration. 100M network interface, 2.4G 802.11n MIMO technology wireless processing speed of up to 300Mbps. The power mode is flexible, supporting 24V PoE network power and 12V 1A DC local power. The power supply distance of the network cable can reach 50-70 meters (related to the cable material). It is designed with outdoor IP66 wind, rain, dust and sun protection, making it easy to adapt to a variety of harsh outdoor environments. Built-in 12dBi double-stranded planar antenna for quick and easy installation. It has the advantages of high performance, high gain, high receiving sensitivity, high bandwidth, etc., which greatly improves the wireless transmission performance and stability, and is mainly suitable for elevator monitoring and other places.

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Hardware features

※ The enterprise-class main control chip, industrial-grade circuit design, supports IEEE802.11b/g/n protocol, and can provide 300Mbps wireless access speed and 100Mbps Ethernet exchange processing speed. Excellent anti-high and low temperature design, fully guarantee the user network data can be transmitted in real time,long-term, stable and efficient in the extreme environment, and enhance the user experience.

※ The circuit design with high power and high receiving sensitivity greatly enhances the distance of wireless transmission and improves the performance and stability of wireless transmission.

※ No need for network expertise, no computer operation, easy dialing and adjustment of the master and slave digital tube to the same value to complete point-to-point, point-to-multipoint (within 8 points) pairing work.

※ The device not only supports the power supply mode of the POE remote network cable power supply, but also supports the power supply mode of the 12V 1A DC local connection power supply to meet the needs of various scenarios, reduce the construction cost, and flexibly select the power supply mode.

※ The utility model has the advantages of small and stylish appearance, flexible and simple installation method, and fixed installation manners of wall hanging and holding poles, which greatly reduces the construction difficulty of the construction personnel and improves the construction efficiency without affecting the original design.

Software function

※ The WEB browser can log in to the device to view the system status, bridge status, and interface status information in real time. The simple and clear interface allows the user to know the working status of the device in real time.

※ Users do not need to know too much wireless knowledge, without too much expertise, in a few simple steps to achieve point-to-point, point-to-multipoint (within 8 points) device pairing. Wireless optimization is done with a simple setup, making it easy to improve link quality and performance.

※ The device bridge signals adopt the advanced WPA-PSK & WPA2-PSK encryption strategy. By default, the bridge signal is hidden, and the user's network is protected from the hacker's attack at all times to ensure the user's data security.

※ Access password modification, factory reset, local upgrade, simple and clear functions allow you to easily complete the system settings of the device and improve the robustness of the device

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Hardware

Model	SY200
Chipset	MTK 7628KN 300Mbps
Flash	1MB
RAM	8MB
Frequency	2.300GHz ~ 2.4835GHz
Transfer Protocol	IEEE802.11 g/n
Transmission Rate	2.4GHz :300 Mbps
Modulation mode	OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK
Output Power	802.11n: @MCS7:12±2DB, @MCS0:14±2DB 802.11g: @54M:13±2DB, @6M:15±2DB 802.11b: @11M:15±2DB, @1M:17±2DB
Receiving sensitivity	802.11n: -70dbm@MCS7, -88dbm@MCS0 802.11g: -72dbm@54Mbps, -88dbm@6Mbps 802.11b: -85dbm@11Mbps, -94dbm@1Mbps
EVM	802.11n: ≤-28 DB 802.11g: ≤-25 DB 802.11b: ≤-10 DB
Frequency offset	±20ppm
Interface	1 10/100M adaptive WAN port (POE 24V 0.5A)
Power supply	POE 24V 0.5A DC12V-24V/1A
DIP switch	Define product AP mode and client mode
Reset button	Reset button (long press to reset, short press to debug digital display plus or minus)
Status Indicator	POWER LED,WAN LED,LAN LED,LINK LED

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Hardware

Antenna	Built-in directional antenna, gain: 10dBi
Protection level	IP66
Power consumption	< 10W
Product Size	138mm * 75mm * 45mm
working environment	Temperature: -30 ° C ~ +55 ° C (working), -40 ° C ~ +70 ° C (storage) Humidity (non-condensing): 10% to 90% (working), 5% to 95% (storage)

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