

SY210

2.4GHz 300Mbps 3KM Outdoor CPE



Product Description:

SY210 is an economic outdoor CPE with 300Mbps wireless transmission data rate. It Complies with IEEE 802.11b/g/n WiFi standard, adopt Qualcomm QCA9531 chipset, build in 14dBi panel antenna, RF power up to 500mw, the transmit/receive wireless distance could reach up to 3KM. It supports Router, Universal Repeater, WISP, AP and Repeater Mode. The most- effective solution for PTP, PTMP application and outdoor long range WIFI coverage and transmission. It equips with ABS waterproof, dust-proof and sunscreen shell, temperature adaptive and board protective, Meantime, it supports 24V passive POE, easy to setup even no power socket nearby, ideal for outdoor use; Besides that, SY210 with digital display, easy to be pairing, simple configuration, make this device is widely used in CCTV, Village long range data transmit, Park, Squares...

Product Features:

※ Cost-effective hardware configuration

Build-in Qualcomm QCA9531 chipset, industrial grade circuit design, 16MB Flash/64MB SDRAM, support IEEE802.11b/g/n protocol, can provide 300Mbps wireless access speed, excellent anti-high and low temperature design, enhance the user experience in extreme environment.

※ 14dBi High Gain Antenna, Long Range transmission distance

SY210 with 14dBi high gain antenna, the long range transmission distance is up to 3KM with stable performance

※ Support Power over Ethernet(PoE)

The device has integrated Power over Ethernet (PoE) for easy installation and lower cost, with 24V PoE, it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

※ Stylish compact, simple and flexible installation

Stylish appearance, supports the wall/pole fixed installation mode, flexible installation, greatly reduces the construction difficulty and improves the construction efficiency without affecting the original design.

※ IP66 dust-proof and waterproof, suitable for a variety of harsh environments

The enclosure is IP66 rated for outdoor dust, water and sun protection. It can work normally in extreme environments as low as -30 ° C up to 55 ° C. It can easily adapt to the harsh outdoor environment and ensure stable operation of the network for 24 hours.

Hardware	
Model	SY210
Chipset	Qualcomm QCA9531
CPU Clock Speed	550MHz
Standards	2.4GHz 802.11b/g/n MIMO Technology
RAM	64MB
Flash	16MB

Hardware

Interface	1*LAN+1*WAN 10/100Mbps RJ45
Button	1*Reset Button, Long press to reset, short press to adjust digital display number
Power Consumption	<12W
Power Supply	POE: 24V 0.5A, DC: 12V 1A
working environment	Temperature: -40°C ~ +55°C (operating) , -20°C ~ +70°C (storage) Humidity (no-condensing) : 5% ~ 90% (operating) , 5% ~ 95% (storage)
Size	172*90*57(mm)
Weight	0.65KG
Toggle switch	Define product AP Mode and Repeater Mode

Radio frequency Feature

Frequency Range	ISM band: 2.400 ~ 2.4835 GHz
Channel	2G:1、2、3、4、5、6、7、8、9、10、11、12、13
Modulation method	OFDM = BPSK, QPSK, 16-QAM, 64-QAM; DSSS = DBPSK, DQPSK, CCK
Output power	2.4G: 11n @MCS0~2/MCS8~10:27±1dBm @MCS7/MCS15:23±1dBm 11g @6~24M:27±1dBm @54M:23±1dBm 11b @1~11M:27±1dBm
Receiving sensitivity	2.4G: 11n: -86dbm@MCS0 -68dbm@MCS7 -86dbm@MCS8 -64dbm@MCS15 11g: -90dbm@6Mbps -68dbm@54Mbps 11b: -90dbm@1Mbps -85dBm@11Mbps
EVM	802.11n: ≤-29 dB 802.11g: ≤-26 dB 802.11b:
Frequency offset	±20ppm

Software Feature

Working Mode	Router, Universal Repeater, WISP, AP and Repeater
Network	Controller address /DHCP/ static IP
System	Restore factory/system restart