SY585/SY585P

5.8Ghz High Power Outdoor CPE

SY585 is a high power long range 5.8Ghz outdoor CPE. It uses Qualcomm AR9344 chipset and Comply with IEEE802.11a/n standard, it supports AP, relay, gateway and other model, can access more users simultaneously. SY585 uses dustproof and waterproof shell, all-weather sunscreen, waterproof and dustproof seal that can be used in a various outdoor harsh environment. In addition. With 14dBi high gain antenna, 500mW high output power, the WiFi transmission distance could reach up to 3KM.It also supports 48V PoE power supply for easy management, as well as support for digital pairing and remote pairing,debugging, It's the best choice for long range outdoor wireless transmission.

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SY585

Main Features

ABS waterproof, dust proof and sunscreen shell, temperature adaptive and board protective .
SY585 with ABS waterproof, dust proof and sunscreen shell, avoid the damage from dust, thunderstorm weather. Meantime, it adaptive to various environment, the working temperature can be normal at -40℃ to 55℃. Suit for any country.

300Mbps high speed, Atheros industrial chipset, wider application
SY585 comply with IEEE 802.11a/n standard, 300Mbps high speed, with Qualcomm Atheros industrial solution, it's a CPE with low power consumption, strong security. With PTP, PTMP, bridge operation mode, widely be used in voice, video, data transmission in long range wireless monitor industry.

300mW High Power, 14dBi High Gain Antenna, Long Range Wifi Device in market.
SY585 with external power amplifier, 500mW true power, 14dBi high gain antenna, long range could reach up to 3KM,

DC port supports reverse power supply
SY585, DC port supports reverse power supply, can provide power for camera

5.8GHz frequency, faster, lower latency, higher stability
SY585 with frequency of 5.180~5.825GHz, with wireless backbone channel of Europe, Japan, China, it avoid the same frequency interference problem, full meet with data transmission in fast speed, low delay, high stability requirement in wireless monitor.

Multi operation mode: Wireless AP, Wireless Router, WiFi Repeater, WISP, WDS
With operation model of wifi repeater, it is a wifi device to bridge the exist wifi signal and transmission out the Ethernet. With operation of AP, it can expand the wifi signal, then share with others.With WDS mode and WDS Switch button, easy to do WDS connection by press the WDS switch button, no need to access into GUI.

Support Power over Ethernet, cost save
The device has integrated Power over Ethernet (PoE) for easy installation and lower cost, with 48V PoE, it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

Easy configure, multi function, remote control

SY585 with humanized configuration steps, simple to complete the entire system configuration, supply more efficient service for your networking.
SY585 support IP bandwidth control, DDNS, firewall, traffic statistics, watchdog, restart in a limited time, together with remote control in restart device and restore to default.

Main Function:

● Comply with IEEE802.11a/802.11n standard. 300Mbps data rate
● Support WISP, Wireless AP, WiFi Repeater(Bridge), Gateway, WDS operation mode.
● Support bridge and routing mode data forwarding and PPPoE two layer data packet transmission
● Support automatic power adjustment and channel selection
● Support multi security mode
● Support users and traffic flow control
● Support WLAN QoS function, support WMM protocol
● Support MAC access control and WLAN interface
● Support local management, access log and security log.
● Support 10/100Base-T interface, meet with IEE802.3-2005 standard, and MDI/MDI-X auto connection function.
● Wide working temperature: -40℃ ~ 55℃, can be used in any country.
● Support Passive / IEEE 802.3af PoE

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Specification

Model	SY585
Chipset	Qualcomm AR9344
Flash/RAM	8MB/64MB
Frequency	5.8Ghz
PTP Distance	3KM
PoE Power	Support 48V POE
Operation Mode	AP, Gateway, Bridge, WISP, WDS，Repeater
Security	64/128bit WEP WPA(AES、TKIP with IEEE 802.1x) WPA2(AES、TKIPwith IEEE 802.1x) WPS
RF Output Power	500mw
Receive Sensitivity	802.11n: -68dbm@MCS7; -88dbm@MCS7;802.11a: -72dbm@54Mbps; -92dbm@6Mbps;
Antenna	14dBi Directional Antenna
Working Temperature	-40°C ~ 55°C
Storage Temperature	-40°C ~ 70°C
Humidity	10% ~ 90% (Non-condensing)
Interface	1*Led 1 * RJ-45 WAN Port1 * RJ-45 LAN Port1 * Reset Button1 * DC Jack1 * WDS Switch Button, press to do WDS connection
Power	Output: DC12V(POE 48V/0.5A), 1A; Input: 110V/220V

Horizontal	H: 60	
LED Light	Power, WiFi, WAN, LAN，Signal Strength	
Data of Panel Antenna		
Frequency range（MHz）	5150～5850	
Bandwidth(MHz)	700	
Polarization	Vertical and Horizontal	
Gain（dBi）	2×14	
Half-power beam width（°）	Vertical	**V: 20**
Input Impedance（Ω）	50	
VSWR	≤1.8	
Operating Temperature(℃)	-40~60	
Accessory		
48V/0.5A PoE Adapter for Passive PoE Device		
Setting Accessory		
LAN Cable		
User Manual		

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