

2. 4G 100mw 300Mbps Wireless AP CPE Bridge

Model:7OW503A



Overview:

7OW503A is an enterprise smart wireless device, Atheros QCA9531chipset, 2.4GHz running frequency band with adopting MIMO and OFDM modulation technology, provides a wireless data transmission rate of up to 300 Mbps. The device adopts low-power, low-temperature chip design and built-in high-gain directional antenna, which provides stable and reliable wireless coverage and wireless bridging. Be equipped with signal LED to indicate strength grade, help user select best place to install.

The user-friendly column design, nice and neat, supports 24V PoE power supply and DC12V power, flexibly choose CPE or AP working mode to meet different environmental application requirements.

When use as a wireless bridge, use in pairs. PtMP or PtP pairing, suitable for covering 1km range, providing wireless network bridge relay function; Or combined with its directional wireless antenna characteristics, it can be widely installed in outdoor corridors, scenic spots, pedestrian streets And the park, factory coverage and other places, providing excellent wireless Internet experience.

It is much helpful in saving labor cost and time with its AC controller/Cloud Management system, easy for people to do central management and authentication ect.

Features:

High-performance 300mbps wireless speed, with coverage up to 1km, the signal is strong and stable,

Fat and thin AP integrated design, flexible choose gateway, AP, repeater, WDS operation mode.

Smart select best wireless channel, avoid Wi-Fi Interference, guarantee the stable wireless connection.

Realize the effective balance of the number of users, traffic and wireless signals between devices.

Support Power over Ethernet, cost save. Ideal solution for CCTV surveillance.

12dBi high gain directional antenna, long range up to 1000m.

ABS waterproof, dustproof and sunscreen shell, temperature adaptive and board protective.

Hardware Specification:

Chipset	QCA9531		
Supporting Standards	IEEE802.3u MDI / MDIX 10/100 Fast Ethernet IEEE802.11b/g Wireless LAN Port IEEE 802.11n Wireless LAN Standard		
DDR	64MB DDR2		
Flash	16MB		
Input	12-24V passive PoE (WAN port)/12V DC		
Antenna	12dBi Directional Antenna , 60 degree sector		
Wireless	WIFI : 2×2 (2Tx,2 Rx)		
LAN Port	1*10/100Mbps Ethernet Port for LAN		
WAN Port	1*10/100Mbps Ethernet Port for WAN		
DC Power Injector	1*DC injector(12V 0.5A)		
Button	Reset button restore to factory settings; WDS button		
LED Indicator	Power; LAN; WAN; WIFI; Signal Strength		
Transmission Rate(2.4g)	11b: 11M, 5.5M, 2M, 1Mbps 11g: 54M, 48M, 36M, 24M, 18M, 12M, 9M, 6Mbps 11N:6.5M, 13M, 13.5M,19.5M, 26M,27M, 39M, 40.5M,52M, 54M,58.5M, 65M,81M,108M,121.5M,135M,150Mbps,300Mbps		
Transfer Method	DSSS		
RF Power	11b: @11M:18±2DB, @1M:20±2DB 11g: @54M:17±2DB, @6M:19±2DB 11n HT20: @MCS7:16±2DB, @MCS0:18±2DB 11n HT40: @MCS7:15±2DB, @MCS0:17±2DB		
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK		
Frequency Range	2.312GHz~2.4835GHz		
Power Consumption	PoE 24V/0.5A <5W		
Output Power	100mW		
Receiving Sensitivity (2.4g)	IEEE 802.11b 1Mbps ≤ -95dBm 11Mbps ≤ -89dBm	IEEE 802.11g 6Mbps ≤ -92dBm 54Mbps ≤ -73dBm	IEEE 802.11n HT 20 MCS 0 ≤ -86dBm MCS 7 ≤ -68dBm HT 40 MCS 0 ≤ -83dBm MCS 7 ≤ -65dBm
EVM	11n: ≤-28 DB 11g: ≤-25 DB 11b: ≤-10 DB		
Operating temperature	-20~+55°C		
Operating humidity	10%~90% RH		
Storage temperature	-40~+75°C		
Storage humidity	10%~90% RH		

Software Specification:

Supporting Standards	IEEE 802.11b/g/n IEEE 802.3, IEEE 802.3u
Wireless working mode	AP, Repeater
LAN Settings	Support DHCP to get IP / manually setup IP
Wireless SSID	Support Multiple 4 SSID、 Hide/Isolate/ Broadcasting SSID
WPA Encryption	WPA、 WPA2、 WPA-PSK、 WPA2-PSK、 WPA/WPA2-PSK
DHCP Server	Support
Hide SSID	Support
AP Isolation	Support
ACL Visit Control	Support
Wireless MAC Filter	Support
Port Mapping	Support
User List	Support
Local Upgrading	Support
System LOG	Support
System monitoring	Support
WEB UI Management	Support Web UI restart, restore factory settings
Other Management	Support Remote Management, WLAN Controller, Cloud Management
Protocols	IPv4
Connected users	Recommend 30, up to 60
Size	20.6X8.4X4.5cm
Weight	235g
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	7OW503A 300Mbps Outdoor CPE 1*Ethernet Cable 1*24V/0.5A PoE Adapter QIG flyer Setting Accessory