

2. 4G 300Mbps Wireless AP CPE Bridge

Model:7OW503



Overview:

7OW503 is an enterprise smart wireless device, 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.

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.

7OW03 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.

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

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

Easy to configure CPE by just setting switch of the device without needing access into GUI, removed complex configuration and no tech-savy to check the working status.

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	MT7628		
Supporting Standards	IEEE802.3u MDI / MDIX 10/100 Fast Ethernet IEEE802.11b/g Wireless LAN Port IEEE 802.11n Wireless LAN Standard		
DDR	64Mbyte		
Flash	8Mbyte		
Input	24V passive PoE (WAN port)		
Antenna	12dbil 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		
LED Display	Current mode; wireless channel; signal strength		
Reset Button	restore to factory settings		
LED Indicator	Power; LAN; WAN; WIFI		
Switch Button	Function Select Button		
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:19±2DB, @1M:19±2DB 11g: @54M:15±2DB, @6M:18±2DB 11n: @MCS7:15±2DB, @MCS0:18±2DB		
Modulation	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK		
Frequency Range	China : 2412 GHz ~ 2472GHz (CH1 ~ CH13)		
Power Consumption	<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
Wireless working mode	Wireless AP, Wireless Bridge
WPA Encryption	WPA、WPA2、WPA-PSK、WPA2-PSK、WPA/WPA2-PSK
Wi-Fi Channel Analysis Tool	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
WEB UI Management	Support Web UI restart, restore factory settings
Other Management	Support Remote Management, WLAN Controller, Cloud Management
Protocols	IPv4
Connected users	Recommend 20, up to 60
Size	16.6cm*90cm*56mm
Weight	231g
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	70W503 300Mbps Outdoor CPE 1*24V/0.5A PoE Adapter 1*Ethernet Cable QIG flyer Setting Accessory