

11AC 900Mbps Wireless CPE-Up to 2km

Model:7OW510



Overview:

7OW510 is a high cost effective outdoor CPE/Wi-Fi Bridge with 11ac 5Ghz running frequency band, adopting MIMO and OFDM modulation technology, provides a wireless data transmission rate of up to 900 Mbps. The device still 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. Easy to set by switch on device, flexibly choose CPE or AP working mode to meet different environmental application requirements. Also it is with special LED display to show current working mode, working channel, IP address and signal strength.

When use as a wireless bridge, use in pairs. PtMP or PtP pairing, covering 2km far range with 12dbi high gain antennas, 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.

7OW510 is much helpful in saving labor cost and time with its AC controller/Cloud Management system, auto-recovery/self-detect function, easy for people to do central management and authentication ect.

Features:

High-performance 11ac 5G 900Mbps wireless speed, with coverage up to 2km, the signal is strong and stable.

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

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

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

Support watchdog self-detection function, reboot and recover device automatically.

12dBi high gain directional antenna, long range up to 2000meters.

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

Support cloud remote management and software AC controller, upgrade firmware, timed reboot device through cloud server.

Hardware Specification:

Chipset	MT7628
DDR	64MB DDR2
Flash	8MB
Input	12-24V passive PoE (WAN port)/DC 12V
Antenna	12dBi Directional Antenna , 60 degree sector
Wireless	IEEE 802.11 a / n /ac, 2T2R 900M MIMO Technology
LAN Port	1*10/100Mbps Ethernet Port for LAN, Support 24V PoE
WAN Port	1*10/100Mbps Ethernet Port for WAN,Support 24V PoE
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)	5.150GHz~5.850GHz
Transfer Method	DSSS
RF Power	11a: @54M:17±2DB, @6M:20±2DB 11n HT20: @MCS7:16±2DB, @MCS0:19±2DB 11n HT40: @MCS7:15±2DB, @MCS0:18±2DB
Modulation	O OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK
Frequency Range	5.150GHz~5.850GHz
Power Consumption	PoE 24V/0.5A <8W
Waterproof Level	IP65
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 802.11a/n; IEEE 802.3
Wireless working mode	Repeater, AP
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
Wi-Fi channel Analysis	Support
Hide SSID	Support
AP Isolation	Support
WatchDog	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	19.6X8.4X4.5cm
Weight	241g
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	7OW510 900Mbps Outdoor CPE 1*Ethernet Cable 1*24V/0.5A PoE Adapter QIG flyer Setting Accessory