

11AC 900Mbps Wireless CPE -- Up to 5km

Model:7OW515

**Overview:**

7OW515 is a high performance outdoor CPE/Wi-Fi Bridge with 11ac 5.8G 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 qualcomm design and built-in high-gain directional antenna, equipped with Gigabit RJ45 port, integrated PoE design, it provides stable and reliable wireless coverage and wireless bridge.

7OW515 can cover 5km PTP range with 14dbi high gain panel 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.

Features:

*500mw RF Power with 14dBi panel antenna, the point to point wireless range up to 5KM distance.

*5GHz frequency, more channels, lower latency, higher stability.

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- *Equipped with Gigabit Ethernet port ensures high speed internet access and more end users access.
 - *Integrated active 48V Power over Ethernet (PoE), eliminating the mess of altering existing network infrastructure.
 - *Support watchdog self-detection function, reboot and recover device automatically.
 - *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	QCA9563+QCA9886
DDR	128MB DDR2
Flash	16MB
Input	48V active PoE
Antenna	14dBi Panel Antenna
Wireless	IEEE 802.11 a /ac, 2T2R 900M MIMO Technology
LAN Port	1*10/100/1000Mbps Ethernet Port for LAN
WAN Port	1*10/100/1000Mbps Ethernet Port for WAN
DC Power Injector	1*DC injector(12V 0.5A)
Button	Reset button restore to factory settings; AP/Repeater operation mode switch
Throughput	867Mbps
Transfer Method	5GHz: 4920~5920MHz
RF Power	500mW
Modulation	O OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK
EVM	802.11a: ≤ -25 dB; 802.11n: ≤ -28 dB; 802.11ac: ≤ -32 dB
Receiving Sensitivity (2.4g)	802.11ac Rx Sensitivity 20MHz BW, MCS9 -62dBm, MCS7 -67 dBm, MCS0 -89 dBm 802.11ac Rx Sensitivity 40MHz BW, MCS9 -61dBm, MCS7 -66 dBm, MCS0 -88 dBm 802.11ac Rx Sensitivity 80MHz BW, MCS9 -60dBm, MCS7 -65 dBm, MCS0 -87 dBm
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/ac; 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
Size	20.6X8.4X4.5cm
Weight	248g
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	7OW515 900Mbps Outdoor CPE 1*Ethernet Cable QIG flyer Setting Accessory