

11AC Dual Band 1200Mbps Outdoor WiFi Bridge

Model:7OW520



Overview:

7OW520 is a high performance outdoor CPE/Wi-Fi Bridge with 11ac dual band running frequency band, adopting MIMO and OFDM modulation technology, provides a wireless data transmission rate of 2.4Ghz 300 Mbps and 5Ghz 900Mbps.

The device still adopts low-power, low-temperature qualcomm high end chipset QCA9863 design and built-in high-gain directional antenna, equipped with Gigabit RJ45 port, 802.3at integrated PoE design, it provides high-class outstanding performance and reliable wireless coverage. An idea choice for WISP.

7OW520 can cover 5km PTP range with 2.4G: 12dbi and 5G: 14dbi high gain panel antennas, providing wireless network bridge relay function; Or combined with its directional wireless antenna characteristics, it is specially suitable for long range data transmission or Wireless security use, with providing excellent wireless Internet experience.

Features:

*500mw RF Power with designed in two line Power Amplifier on PCB board, the point to point wireless range up to 5KM distance.

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

- *Equipped with Gigabit Ethernet port ensures high speed internet access.
- *Can connect up to 128 client users.
- *Integrated active 48V Power over Ethernet (PoE), eliminating the mess of altering existing network infrastructure.
- *Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz), support tag VLAN based on SSID to protect the whole data safety.
- *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 802.3at
Antenna	12dBi for 2.4G/14dbi for 5G Panel Antenna
Wireless	IEEE 802.11 a /ac, 2T2R 1200M MIMO Technology
LAN Port	1*10/100/1000Mbps Ethernet Port for LAN
WAN Port	1*10/100/1000Mbps Ethernet Port for WAN (support PoE)
Button	Reset button restore to factory settings
Throughput	300Mbps for 2.4G; 900Mbps for 5G
Transfer Method	2.4GHz: 2.312GHz to 2.4835GHz 5GHz: 5.020 - 6.1000 GHz
RF Power	500mW
Modulation	O OFDM = BPSK,QPSK,16-QAM,64-QAM;DSSS = DBPSK,DQPSK,CCK
EVM	802.11a: ≤-25dB; 802.11n: ≤-28 dB; 802.11g: ≤-25 dB
Receiving Sensitivity (2.4g)	2.4G: 11n: -70dbm@MCS7, -88dbm@MCS0. 11g: -72dbm@54Mbps, -88dbm@6Mbps. 11b: -85dbm@11Mbps, -94dbm@1Mbps. 5.8G: 11a: -72dbm@54Mbps, -90dbm@6Mbps. 11n: -70dbm@MCS7, -90dbm@MCS0. 11ac: -60dbm@MCS9, -86dbm@MCS0.
Waterproof Level	IP65
Max Users	128, recommend 100
Operating temperature	-20~+55°C
Operating humidity	10%~90% RH
Storage temperature	-40~+75°C
Storage humidity	10%~90% RH

Software Specification:

Supporting Standards	802.11ac/b/g/n, MIMO technology
Wireless working mode	Repeater, AP
LAN Settings	Support DHCP to get IP / manually setup IP
Wireless SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
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	32X16X7cm
Weight	320g
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Package Including	7OW520 1200Mbps Outdoor CPE 1*Ethernet Cable QIG flyer Setting Accessory