

OAP890

LED Display Wireless Bridge

Outdoor CPE



Main Features

- Outdoor weatherproof protection design
- 5.8G Broadband Transmission Solution
- PTP/PTMP Connection and DC/PoE Power Available
- With LED Screen Display to show all information
- Intelligent Firmware GUI for Web Checking Status
- Gateway/Repeater/AP/WISP Client/WDS/AP+WDS Multi-modes
- 18dBi directional MIMO antenna to build long distance transmission

Descriptions

As a long range outdoor wireless device, OAP890 is designed to provide a PTP/PTMP WDS connection and long distance wireless networking solution. It operates seamlessly in the 5.8GHz frequency spectrum and provides wireless data transfer rates of up to 900Mbps. The device also features up to 1000mw wireless transmission power and has built-in 18dBi antennas which provides a cost effective way to pick up and maintain a stable signal for a wireless network connection ranging multiple kilometers.

Professional Outdoor Shell + Internal Lightning Protection Design, Suit for multiple Harsh Environment

Adopt outdoor ABS plastic shell and Professional lightning protection components, provide IP65 water-proof, dust-proof, suit for multiple harsh environment. Even in extreme hot and cold environment (-40°C~70°C), also can work stable.

5GHz Outdoor Long Range Wireless Transmission and Coverage

Comply with new and latest 11ac Technology, pure 5GHz band, 900Mbps Data Rate, equipped with Gigabit Ethernet ports ensure faster wireless speed with less Wi-Fi interference, signal more stable, widely be used in wireless security or long range PTP/PTMP connections.

Wireless Bridge (Host CPE/Client CPE/Signal Strength/IP Address) LED Display

With visible LED Display and Signal strength automatic detection function for quickly building point to point and point to multi point wireless connection. Easily installation and debugging. Save human cost.

Multiple Operation Modes, Press WDS Switch Button (F&S) to do PTP/PTMP Connection

Super WDS/Gateway/Repeater/WISP/Wireless AP operation mode, widely used in Wi-Fi Bridge Connection, WISP Connection and Wireless Security. With WDS Switch Button, easy to achieve PTP/PTMP wireless connection, no need to access into web configuration, meet with long range wireless transmission in buildings, factories, rural areas, squares, etc.

Adjustable RF Power

The transmission RF power is adjustable based on environment. Cut down RF power in place with high density of people or wireless AP, or increase RF power in long range place to improve the performance.

High Transmission Capability

With up to 1000mw wireless transmission power and 18dBi MIMO high gain panel antennas, OAP890 can transmit a powerful and stable signal for a long distance PTP/PTMP wireless connection ranging up to 10 kilometers.

Passive PoE Support for Flexible Deployment

Powered by a Passive PoE Injector, the Outdoor AP can use an Ethernet cable to simultaneously send data and electricity wherever the AP may be located, as far as 200 feet away. This feature multiplies deployment options, allowing you to place the AP in a position that is most convenient to get the best signal possible.

Specifications

| Hardware | |
|-------------------|---|
| Chipset | Qualcomm QCA9563+QCA9882+QCA8334 |
| Standard | 802.11ac/a/n, MIMO technology |
| Memory | 128MB DDR2 RAM |
| Flash | 16MB |
| Interface | 1 * 10/100/1000Mbps RJ45 WAN Port(POE) |
| | 1 * 10/100/1000Mbps RJ45 LAN Port |
| | 1 * Power DC Jack, 12V/1.5A |
| | 1 * LED Screen Display |
| | 1 * WDS switch button(F&S), press it to do WDS PTP/PTMP connection |
| | 1 * Reset button, long press 10 seconds to revert to default setting, short press 1 second to initiate connection |
| Antenna | Built-in 5G 18dBi dual polarized Antennas |
| LED Indicators | 5G, LAN, WAN, SYS |
| Power consumption | Passive 24V PoE, <16W |
| Size | 315mm * 145 mm * 80mm |

| | |
|---|---|
| RF Data | |
| Frequency | 5GHz: 802.11a/n/ac |
| | 5GHz: 5.150GHz ~ 5.840GHz |
| Throughput | 900 Mbps |
| EIRP | < 26dBm |
| Country code | FCC,IC,ETSI,MKK,MKK1,MKK2,MKK3,NCC,RUSSIAN,CN |
| Modulation | OFDM = BPSK,QPSK, 16-QAM, 64-QAM |
| | DSSS = DBPSK, DQPSK, CCK |
| Receive Sensitivity & RF Power | |
| 5G RF Power | 802.11a:54M 24±2DB, 6M 27±2DB. |
| | 802.11n HT20:MCS7 23±2DB, MCS0 26±2DB. |
| | 802.11n HT40:MCS7 22±2DB, MCS0 25±2DB. |
| | 802.11ac HT80:MCS9 21±2DB, MCS0 24±2DB. |
| 5G Receive Sensitivity | 802.11a: -72dbm@54Mbps; -90dbm@6Mbps. |
| | 802.11n HT20: -70dbm@MCS7, -88dbm@MCS0. |
| | 802.11n HT40: -68dbm@MCS7, -86dbm@MCS0. |
| | 802.11ac HT80:-58dbm@MCS9, -85dbm@MCS0. |
| 5G EVM | 802.11n: ≤-28 DB; 802.11a: ≤-25 DB; 802.11ac: ≤-32 DB |
| PPM | ±20ppm |
| Firmware | |
| Operation mode | Wireless AP, Gateway, WISP, Wi-Fi Repeater, WDS |
| WAN Type | Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access) |
| Wireless Security | 64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption |
| SSID | Multiple SSID up to 4, Support Hide SSID |
| Firewall | DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding |
| Protocols | IPv4 |
| Features | |
| Feature1 | WEB GUI comes with Wi-Fi analyzer |
| Feature2 | With LED Screen Display to show Host/Client, Signal Channel, Signal Strength etc |
| Feature3 | 6KV Lightning Protection/15KV ESD Protection/IP65 level dustproof and waterproof |
| Others | |
| Package Contents | 900Mbps 11AC wireless access point |
| | Ethernet Cable |
| | PoE Adapter |
| | User Guide Setting Accessory |
| Environment | Operating Temperature: -40~70 °C |
| | Storage Temperature: -40~70 °C |
| | Operating Humidity: 5%~95% non-condensing; |
| | Storage Humidity: 5%~95% non-condensing |
| Management | Firmware GUI, WLAN Controller |

Product Details

