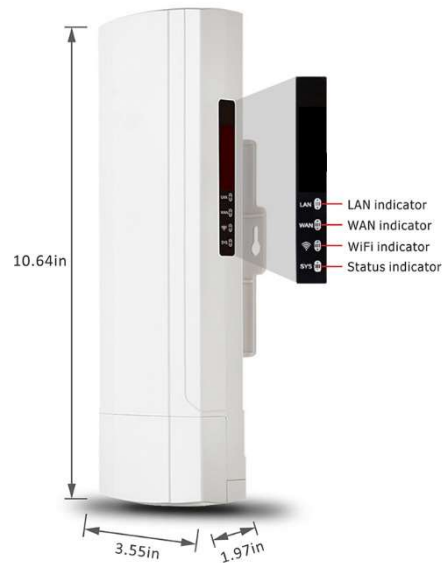


OAP630

2.4G 300Mbps Outdoor

Wireless Bridge CPE



Main Features

- Outdoor weatherproof protection design, Two Ethernet Port
- Qualcomm QCA9531 RF Chipset, 802.11b/g/n Support
- 64MB SDRAM + 16MB Flash Build-in for Higher Performance
- Gateway / Repeater / AP /WISP Client/WDS/AP+WDS operation modes
- S-WDS Mode, Advanced Software Technology
- 24V Passive PoE supports up to 70 meter (200 feet) deployment
- 14dBi directional MIMO antenna to build long distance transmission

Descriptions

As a long range outdoor wireless device, OAP630 is designed to provide a WISP connection and long distance wireless networking solution. It operates seamlessly in the 2.4GHz frequency spectrum and provides wireless data transfer rates of up to 300Mbps. The device also features up to 500mw wireless transmission power and has built-in 14dBi antennas which provides a cost effective way to pick up and maintain a stable signal for a wireless network connection ranging multiple kilometers.

High Transmission Capability

With up to 500mw wireless transmission power and 14dBi high gain antennas, OAP630 can produce and pick up a powerful and stable signal for a wireless connection ranging multiple kilometers.

300Mbps Wireless N Speed – Extend Wireless Coverage

With wireless speeds of up to 300Mbps and advanced MIMO technology, OAP630 provides you with a fast, reliable wireless connection for lag-free online gaming and video streaming.

14dBi High-gain Panel Antenna

OAP630 features 14dBi antennas, which is a key feature used in building a long-distance wireless transmission. It is designed with signal transmission covering 60 degrees on a horizontal plane and 25 degrees on a vertical plane, improving signal strength in a concentrated direction.

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

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

High Transmission Power - Breaking down the Barriers of Wi-Fi

With wireless transmission power of up to 500mw, OAP630 produces a powerful, robust signal to overcome long distances. The signal can also be adjusted to high or low levels to be applied in various applications, including point-to-point or point-to-multiple-point remote solutions.

Professional Outdoor Design, Weatherproof Enclosure

OAP630 is designed to work in harsh environments, even in the some of the world's most hostile climactic conditions. With its outdoor weatherproof enclosure and high/low temperature endurance (-30°C~70°C) internal hardware, the AP can continue operating in various weather conditions, in sunshine or rainfall, wind and snow.

Multiple Applications

The device is not limited to its default WDS mode. OAP630 also supports Gateway, AP and Repeater modes, providing various wireless operating modes to accommodate as many applications as possible, to give users a more dynamic and comprehensive experience when using their AP.

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

Wireless	
Standards	IEEE 802.11b/g/n, 2T2R MIMO
Data Rate	300Mbps
Frequency Band	2.4~2.4835GHz
Modulation	OFDM = BPSK, QPSK, 16-QAM, 64-QAM DSSS = DBPSK, DQPSK, CCK
Wireless Transmit Power	802.11n: @MCS7:26±2dBm, @MCS0:28±2dBm. 802.11g: @54M:27±2dBm, @6M:29±2dBm. 802.11b: @11M:28±2dBm, @1M:30±2dBm
Receive Sensitivity	802.11n: -70dBm@MCS7, -88dBm@MCS0.

	802.11g: -72dBm@54Mbps, -90dBm@6Mbps. 802.11b: -85dBm@11Mbps, -94dBm@1Mbps.
EVM	802.11n: ≤-28 DB 802.11g: ≤-25 DB 802.11b: ≤-10 DB
PPM	±20ppm
End User	64
Hardware	
Interfaces	1 x RJ-45 for 10/100 Mbps(POE) 1 x RJ-45 for 10/100Mbps 1 x Power DC Jack, 12V/1A 1 x LED display 1 x F(Function) button 1 x S(Select) button, press it to setup WDS PTP/PTMP connection
MCU	Qualcomm QCA9531
SDRAM&FLASH	64MB+16MB
Button	1 x Reset button(Reset & Factory Defaults)
LED indicator	WiFi, LAN, WAN, System
Antenna	2x 14dBi dual-polarized Directional Antenna
Power Supply	PoE 24V/12V1A;110V/220V
Size	260mm * 85mm * 45mm
Firmware	
Operation Mode	Wireless AP, Gateway, WISP, Wireless Bridge, WDS
Protocol/Standard	IEEE 802.3(Ethernet) IEEE 802.3u(Fast Ethernet) IEEE 802.11b/g/n(2.4G WLAN)
Wireless Function	Auto-Channel selection Distance Control (802.1x Ack timeout) BSSID
Security	WEP Encryption-64/128/152 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP) Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Log	Supports local logs, logs host, logs file export
Backup	Restore settings & configuration of the device to local file
Others	
Operating Temperature	-40°C~55°C
Storage Temperature	-40°C~70°C
Relative Humidity	10% ~ 90%, Non-condensing
Storage Humidity	5%~95%, Non-condensing
Package Contents	OAP630 PoE Adapter User Manual

Product Details

