

LF-OAP90

Dual band Gigabit outdoor Wireless AP base station



Features

- High 1000mW Wireless Power Delivers Long-Range Coverage
- Waterproof Housing for Harsh Outdoor Environments
- RTL8197DN+RTL8812AR+RTL8192ER+RTL8211E Chipset, up to 1200Mbps Wireless Speed
- 128MB SDRAM + 16MB Flash Build-in for Higher Performance
- Four External Antenna N Type Connector Maximizes Wireless Connectivity
- Gateway / Repeater / AP / WISP Client operation modes
- IEEE802.3at PoE supports up to 70 meter (200 feet) deployment
- Central AP Control Management Software Support

Description

The LF-OAP90 high 500mW transmit power and high receive sensitivity make it a robust solution for extending company networks. The LF-OAP90 has been engineered to withstand harsh outdoor conditions and to resist prolonged exposure to the sun. Compatible with LAFALINK comprehensive family of versatile, long-range Indoor and Outdoor Wireless Access Points, Client Bridges, AP routers, AC Controller Software provides IT administrators with real-time information to ease the deployment, configuration and management of lafalink wireless networking solutions in complex networking environments.

Built to Last Outdoors

The durable, weatherproof case withstands outdoor conditions, including wind, rain and snow.

AP Controller Software or Router Support

It supports AP Controller software or Router for configuring, managing and monitoring multiple APs from one central location.

300Mbps Wireless N Speed –Extend Wireless Coverage

With wireless speeds of up to 300Mbps and advanced MIMO technology, the LF-OAP30 provides you with a fast, reliable wireless connection for lag-free online gaming and video streaming.

SSID-To-VLAN Tagging Binding

Can be configured to broadcast up to four (4) SSIDs. Each SSID can be tagged to a specified company network VLAN for different user access based on established access rights.

High Power and Whole Coverage

Embed with signal amplifiers, the RF power can be 500mW, equipped with 2x2 multiple-input, multiple-output (MIMO) 5dBi antennas guarantee continuous Wi-Fi coverage range up to 200 meters. Several shielding cans along the circuit board reduce interference for reliable connections to more WiFi devices .

PoE Support for Flexible Deployment

Outdoor AP can use an Ethernet cable to simultaneously send data and electricity wherever the AP may be located, as far as 70 meters 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, such as on the wall or the ceiling of your office.

WPA / WPA2 Encryptions - Advanced Security

With the most attentive wireless security, the LF-OAP30 High Power Wireless Access Point provides multiple protection measures. It can be set to turn off wireless network name (SSID) broadcast so that only stations that have the SSID can be connected. The AP provides wireless LAN 64/128/152-bit WEP encryption security, and WPA/WPA2 and WPA-PSK/WPA2-PSK authentication, as well as TKIP/AES encryption security.

Specifications

Wireless	
Standards	802.11a/b/g/n/ac
Data Rate	1200Mbps
Frequency Band	2.4Ghz & 5.8Ghz

Wireless Transmit Power	2.4G - 11b/g: 29dBm, 11n HT20:28dBm, 11n HT40:28dBm 5.8G - 11a: 26dBm, 11n HT20:26dBm, 11n HT40:26dBm 11ac HT20:26dBm, 11ac HT40:25dBm, 11ac HT20:24dBm
Receive Sensitivity	2.4G - 11b@11Mbps:-95dBm, 11g@54Mbps:-82dBm, 11n HT20@MCS0/8:-95dBm, 11n HT20@MCS7/15:-78dBm 11n HT40@MCS0/8:-93dBm, 11n HT40@MCS7/15:-75dBm 5.8G - 11ac HT20@MCS0:-92dBm, 11ac HT20@MCS8:-70dBm, 11ac HT40@MCS0:-89dBm, 11ac HT40@MCS9:-65dBm, 11ac HT80@MCS0:-87dBm, 11ac HT80@MCS8:-62dBm,
Operation Mode	Gateway, Repeater(Extender), AP(access point),WISP
Wireless Security	64/128-bit WEP, WPA/WPA2, WPA /WPA2-Personal (TKIP/AES)
System Requirements	Windows 7/Vista/XP/2000,Mac OS®, Linux or Android OS, iOS
Hardware	
Interfaces	1 x RJ-45 for 10/100/1000 Mbps(POE)
MCU	RTL8197DN+RTL8812AR+RTL8192ER+RTL8211E
SDRAM&FLASH	128MB+16MB
Antenna	4 N Type Connector
Power Supply	IEEE 802.3at 48V0.5A
Software	
Wireless Function	Distance Control (802.1x Ack timeout) Multiple SSID (4 SSID)
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 MAC/IP Address &URL filtering Wireless STA (Client) connected list
DHCP	DHCP Server, DHCP Client
Network	Port Mapping, DMZ Host, Statics Routing, DDNS,UPNP
Management	Firmware Upgrade and backup, factory Reset, Restart, WEB management, log management, the PING tool
Others	
Operating Temperature	0°C~40°C (32°F~104°F)
Storage Temperature	-40°C~70°C (-40°F~158°F)
Relative Humidity	10% ~ 90%, Non-condensing
Storage Humidity	5%~95%, Non-condensing

