



The LAXO-AP54-05Wi High Power Access Point is an easy-to-install and cost-effective solution for most of indoor wireless deployments, including hotel rooms, offices, classroom, apartments, and private homes. Also included 500mW high output power to extend the range and increase the performance of our wireless network.

The LAXO-AP54-05Wi come with optional kits which is suitable for varies in wall positions and bring the benefits of both a RJ-45 wired connection as well as WiFi wireless connection. And a network administrator can centrally manage the LAXO-AP54-05Wi via a Web browser or an SNMP MIB browser. With included PoE, power and data are supplied to the unit using CAT5 Ethernet cable. It can also be powered via an AC adapter when PoE switch is not available. This High Power Access Point must be your best choice.

### Features

#### • **Main Features**

- 500mW at 2.4Ghz Output Power
- Operation Modes : Access Point, WDS (Repeater)
- Maximum Security with 802.1x, WPA, WPA2(TKIP/AES)
- Integrated IEEE 802.3af Power over Ethernet (PoE)

- Support 8 Multiple-BSSID
- Support Hardware Auto Push Button

#### • **Access Point Features**

- Number of ESSID : 8
- Number of associated clients per ESSID : 32
- WDS Mode support to extend wireless coverage by connecting wirelessly to another WDS capable AP up to 8 WDS links
- Beacon interval : adjustable to best adapt to the deployment environment
- IAPP : to facilitate faster roaming for the stations among different APs nearby
- Support Adjustable transmission power : 9 Levels
- Support Tag VLAN support

#### • **Quality of Service**

- DiffServ/TOS
- IEEE802.11p/COS
- IEEE 802.1Q Tag VLAN priority control
- IEEE802.11e WM

#### • **Authentication/Encryption (Wireless Security)**

- WEP 64/128/152bits EAP-TLS + Dynamic WEP, EAP-TTLS + Dynamic WEP
- PEAP/MSPEAP + Dynamic WEP
- WPA-PSK/TKIP, WPA-802.1x/TKIP, 802.11i WPA2-PSK/CCMP/AES, WPA2 (802.1x /CCMP / AES)
- Setting for TKIP/CCMP/AES key's refreshing period
- Hidden SSID broadcast support
- Access Control list (ACL) by MAC Address
- Support WEP data encryption over WDS link

#### • **Management**

- Web-Based management interface
- Remote configuration and management
- Remote firmware upgradeable
- Software one-button-click to reset back to factory defaults
- Utilities for system configuration backup and restoration
- Support SNMP v2c/v3
- DHCP client
- Support Event log
- Support CLI with Telnet

## Technical Specifications

### •Wireless Radio

802.11b/g

### •Auto Button (WPS)

Hardware auto push button for simplify the process of configuration security on Wireless Network

### •Reset Switch Built-in

Reset-button to reset factory default

### •Standard Conformance

IEEE802.3 / IEEE802.3u

### •Ethernet Configuration

10/100Base-T Ethernet port x 1 (RJ-45)  
Support Auto-Negotiation, Auto MDI/MDI-X  
Support IEEE802.3af PoE (Power over Ethernet)

### •Built-In LED Indicators

1x Power, 1x LAN, 1x Wireless

### •Data Transfer Rate

IEEE802.11b : 1/2/5.5/11 Mbps (Auto Sensing)  
IEEE802.11g : 6/9/12/18/24/36/48/54 Mbps  
(Auto Sensing)

### •Media Access Protocol

CSMA / CA with ACK

### • Frequency Range

2.412 ~ 2.462GHz (USA)  
2.412 ~ 2.484GHz (Japan)  
2.412 ~ 2.472GHz (Europe ETSI)  
2.457 ~ 2.462GHz (Spain)  
2.457 ~ 2.472GHz (France)

### •Modulation Method

IEEE802.11b : DSSS (DBPK, DQPSK, CCK)  
IEEE802.11g : OFDM (64-QAM, 16-QAM, QPSK, BPSK)

### •Operating Channels

802.11b/g : 11 for FCC, 14 for Japan,  
13 for Europe, 2 for Spain, 4 for France

### •Transmit Power Variation

Max : 27dBm

### •Receiver Sensitivity

Max : -97dBm

### •Operating Temperature

-20 °C ~ 50 °C

### •Storage Temperature

-20 °C ~ 70 °C

### •Operating Humidity

10% to 80% Non-Condensing

### •Storage Humidity

5% to 90% Non-Condensing

### •Built-In Antenna Gain

3dBi Chip Antenna

### •Power Consumption

9W Max.

### •Power Supply

110 – 220V AC Power; 12 VDC, 1A/1.5A Input  
Power Adapter  
Support Power Over Ethernet (48V/0.3 A)

### •DC Output

AC to DC 12 VDC, 1 A/1.5A

### •Dimensions (W x H x D)

Main Unit : 34 x 80 x 67 mm  
Faceplate : 75 x 120 x 10 mm

### •Unit Weight

60g

### •Certifications

CE ,FCC,ROHS compliant