

High Power Outdoor Access Point



LAXO-AP54A-04W-PG16P is a long range outdoor wireless Access Point / Client Bridge that operates in 5GHz frequency. This device enforces transmission security with full support of latest encryption mechanism including 64/128/152 bit WEP, WPA and WPA2. With 16dBi internal antenna makes an optimal wireless solution for both small and large scale projects.

Technical Specifications

- **Standards Compliance**
IEEE 802.11a
IEEE 802.3, IEEE 802.3u
- **SDRAM**
32 MByte
- **Flash**
8 MByte
- **Radio Frequency Type**
OFDM
- **Modulation**
IEEE 802.11a: OFDM with BPSK, QPSK, 16QAM, 64QAM
- **Frequency Band**
5.15 ~ 5.25 GHz (lower band)
5.25 ~ 5.35 GHz (middle band)
5.725 ~ 5.825 GHz (hi-band)
- **Transmission Power**
26dBm
- **Transmission Rate**
6/9/12/18/24/36/48/54 Mbps
- **Access Point Interfaces**
- **Security Systems**
64-bit/128-bit/152-bit WEP encryption
WPA/ WPA2 (PSK or EAP with TKIP/AES encryption)
802.1x Authentication
EAP-PEAP/EAP-TTLS
- **Wireless Setting**
Operation Mode – AP / Client Bridge / WDS
Bridge PtP and PtMP (up to 16 links) / Client Router
Auto/Fixed Channel Selection (Setting varies by Country)
Adjustable transmit power by 1dBm step
- **Sensitive**
-94dBm @ 6Mbps;
-74dBm @ 54Mbps,
PER<10%
- **Antenna**
Integrated 16 dBi directional antenna
- **Operating Environment**
Operating Temperature:-30 ~ +70°C
- **Power**
Passive PoE DC 18 Volt + 5%
20Watt (Max.)
AC adapter AC 100V ~ 240V

Auto sensing MDI/MDI-X Ethernet 10/100Base-T
x 2 RJ-45

- **Software/Firmware**

- Site Survey
- DHCP Server / Client
- Suppressed SSID
- Profile Isolation
- Station Separation
- Spanning Tree settings
- Wireless access control by MAC address filter (up to 50 fields)
- Multiple SSID with 802.1q VLAN tagging (up to 4 SSIDs)
- Web-based configuration
- Windows "Locator" program to help find IP in DHCP client mode
- Firmware upgrade and configuration backup via Web or Telnet
- Reset to default by WebUI
- VPN pass-through (PPTP, L2TP, IPSEC)
- SysLog
- SNMP v1/v2c
- MIB support: MIB I, MIB II (RFC-1213) and Private MIB
- Long distance transmission: up to 1~30 Km (ACK timeout)
- Support Narrow Bandwidth 5/10/20 MHz adjustable
- Support PPPoE (Client Router) mode and PPTP
- Ping function and Trace Route function
- Support QoS(WMM)
- Support Time settings