

LP-5ai 5 GHz Band 802.11a Outdoor Radio with Panel Integrated Antenna.

LP5ai_SS_ENB01W

Applications

- Standard used: 802.11a, @ 54 Mbps.
- Truly weather proof, harsh climate and operating from -30°C to 70°C it complies with the IP-68 rating.
- Very compact design with integrated antenna.
- Low losses because of the antenna in the same enclosure.
- IP-68 rated enclosure.
- Up-to 30 Km range (deppends on the case).
- High data rate and antenna alignment sensitivity reading, ethernet design, high stability.
- PoE (Power over Ethernet).
- Frequency range: 5.15~5.58 GHz modifiable from the web connection.



LP-5ai 5 GHz Band 802.11a Outdoor Radio with Panel Integrated Antenna.

Using advanced OFDM and power amp techlogy, the LP-5ai has high output power and amazing throughput even at long distance transmission. It operates in the frequency range 5.15 GHz to 5.85 GHz with 80+ non-overlapping channels.

Highly-powered with a total of 46 dBm (EIRP) and the panel antenna integrated design, this outdoor subscriber is ideal for enterprise / campus connectivity, distant Point to point bridge or CPE of point to multi-point brigge.

The LP-5ai has powerful security management because it supports WEP 64 / 128 / 152 bits, 802.1x Authentication (EAP), MAC address filter, disable broadcast the SSID, client isolation and WPA-PSK / WPA encryption. All these functions make the network much more reliable. Added to those features, the integrated antenna makes installation and maintenance easier and efficient. Powering through the ethernet cable results in only one cable entering the unit, adding to the easyness of the ployment in a system.

Robust, strong and at a reasonable price, the LP-5ai is a best Seller for the system integrators that rely in our products.

A Products Highlights

■ Large Area Coverage

High output power up to 46 dBm (EIRP) and low noise figure extend the signal transmit distance and enlarge area as well.

■ Impressive Data rate at long distance

Unique technology breaks the limit of 802.11a standards. We succeeded in extending the signal up to 2-8 miles (3-13km) with the impressive 54 Mbps (Max) data rate.

■ Manageability

Through the Web-based configuration, the LP-5ai is fully manageable locally and remotely, built-in SNMP support let ISP and enterprise users expand the network infrastructure much easier.

■ Reliability

The LP-5ai is the most reliable outdoor radio which provides a trustworthy passageway in the air with stable and robust design.

■ Cost Effective Connection

Integrated antenna design provides best performance and lowest price at the same time support LP-5ai to be most cost effective solution in the WLAN outdoor Bridge market.

■ Security

WEP 64 / 128 / 152 bit encryption, WPA-PSK, 802.1x Authentication (EAP), disable broadcast the SSID, client isolation and MAC Access control built the highest security mechanism to prevent the malicious attacking the internet.

■ Robust Construction

Prepared for harsh environments, the IP-68 rating ensures long life operation.

B Applications

- Long distances P-T-P / P-T-MP (CPE) Bridge.
- Dedicated ISP connections for high-reliability subscribers.
- Redundant links between building.
- Enterprises or institutions LAN and PBX extensions.
- Cost effective alternative to wired network environment.

C Specifications

RADIO	
Standards	IEEE 802.11a
Frequency	5 GHz
Operating Channels	FCC (USA) ETSI (EUR) MKK (JAPAN) China
Output Power (EIRP)	46 dBm
Modulation	OFDM
Range	Up to 8 miles (13 Km)
INTERFACES	
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3 (100 Base-Tx)
MANAGEABILITY	
Management and setup	Web-based configuration
Operating mode	AP / WDS / Smart WDS
SNMP agents	MIB II
Protocol	TCP/IP, IPX/SPX, NetBEUI
Operating System	Windows 98 / 200 / NT / XP
Network Architecture	Point to point / Point to multi-point (CPE) / Repeater
IP Routing	Enable any IP
DHCP supports	DHCP client

SECURITY	
Data Encryption	WEP 64 / 128 /152 bits encryption WPA 802.1xAuth.(EAP)
Authentication	MAC Address Access Filter
Authorization	Disable broadcast SSID
Advanced Security	Client Insolation (Layer 2 Insolation)
ANTENNA	
Frequency	5.150 GHz to 5.875 GHz
Gain	23 dBi
Beamwidth	H10; E10
VSWR	1.7:1
Front to back ratio	40dB
Impedance	50 Ohm
ENVIRONMENT	
Operating Temperature	-20°C to 55°C
Store Temperature	-30°C to 70°C
Humidity	95% non-condensing
Enclosure IP-Rating	IP-68
POWER SUPPLY	
AC 100-264 V, DC 15 V, 50-60Hz	
PHYSICAL	
Dimension	335(L) x 335(W) x 81 (H); mm
Weight	2.9 Kg
Warranty	1 Year

D How to Order

LP-5AI 5GHz Band 802.11a Outdoor Radio with Panel Integrated Antenna, IP-68 rated.