

LP-289ai

Medium Range antenna integrated 5.8 GHz Access Points (AP).

LP289ai_SS_ENB01W

Characteristics

■ **Extended Area Coverage.**

The LP-289ai becomes a powerful CPE with a total (EIRP) gain of 37dBm(LP-289ai) or 41dBm (option P) by extending the signal transmission range and widening the area coverage.

■ **Manageability.**

The LP-289ai is completely manageable through a web based configuration, locally or remotely. Additionally, the SNMP support permits ISP user or the Enterprise a more flexible expansion of the network infrastructure.

■ **Cost-effective connection.**

Integrated antenna, compact design, lightweight, characteristics that deliver better performance and lowest deployment cost of the WiFi network.

■ **QoS - Wi-Fi Multi-media (WMM).**

Quality of Service is supported by this characteristic, it permits traffic prioritization from the Ethernet network to the Access point.

■ **Transmission Power Control.**

Power output levels adjustment supported for area coverage and range adjustment from maximum to 50%, 25% and 12.5% and minimum.

■ **Security.**

The LP-289ai has WEP 64 / 128 / 152 bits, 802.1x (EAP), authentication, MAC address Access control, SSID disable, client isolation, WPA-PSK, WPA-TKIP and WPA2 (AES-128bits) encryption. Build your network with the highest security in order to avoid malicious attacks from the Internet.



**LP-289ai
Medium Range
antenna integrated
5.8 GHz Access Point (AP).**

By using advanced OFDM technology, the LP-289ai delivers outstanding transmission performance over short distances (Less than 10 Km). It operates on the 5.8 GHz Band, from 5.150 to 5.850 GHz in 4 bands with up to 24 20MHz non-overlapping channels.

With a total (EIRP) gain of 37dBm (LP-289ai) or 41dBm (option P) this has an antenna integrated design with 14dBi (LP-289ai) or 18dBi (option P) gains. This subscriber for outdoors becomes a solution for Hot-Spot, or Bridges deployment over short distances Point to Point or as a Customer Premises Equipment (CPE) of a Point to Multi-Point bridge system or as a next generation broad band wireless access system.

The LP-289ai has a powerful security management function due to its support of: WEP 64 / 128 / 152 bits, 802.1x Authentication (EAP), MAC address filtering, SSID broadcast disable, client isolation and WPA-PSK / WPA(TKIP) / WPA2(AES-128bits encryption).

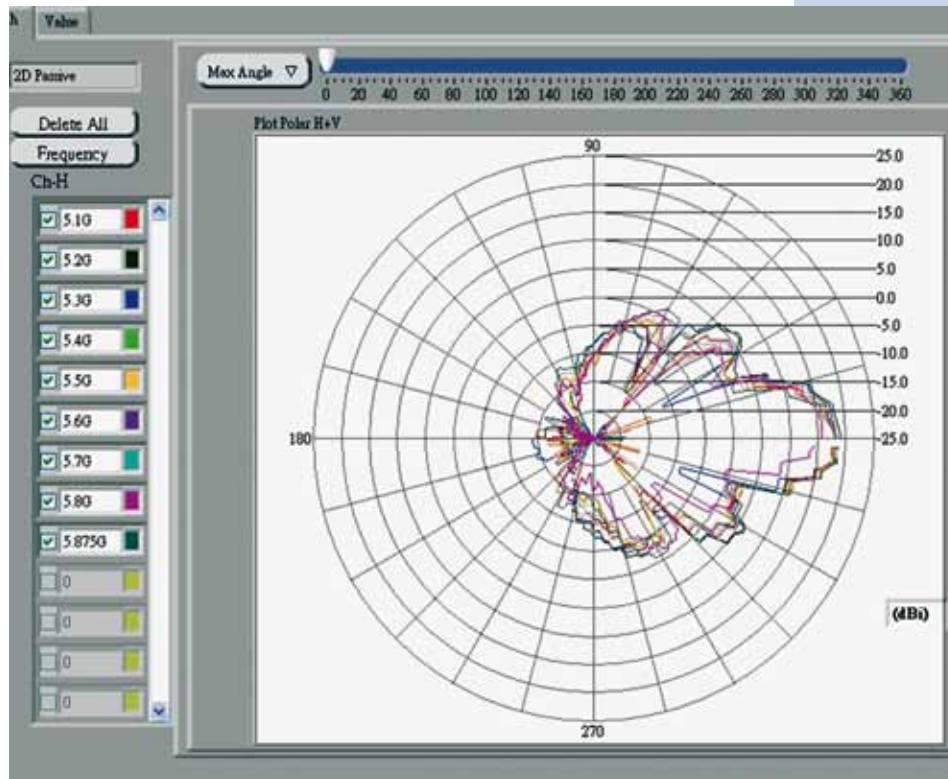
All of these functions make the network a more secure place to use.

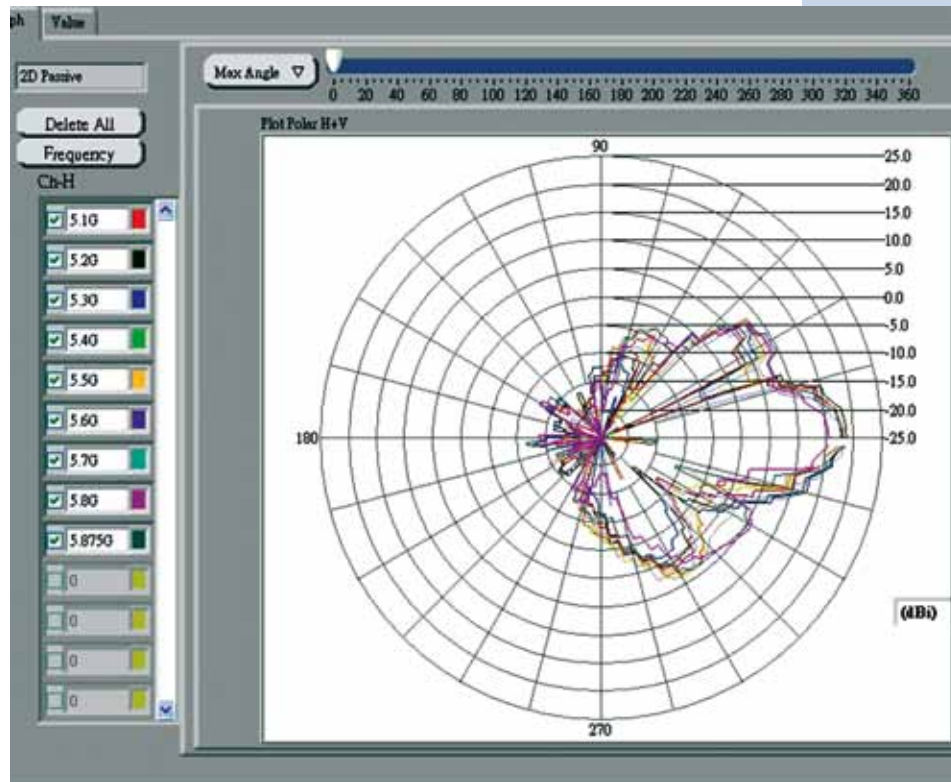
A SPECIFICATIONS

RADIO					
Standards	IEEE 802.11a				
Frequencies	5GHz Band				
Operating Channels	5.150GHz~5.850GHz; for regulatory compliance.				
Data Rate	Modulation	Tx Power	Rx Power	Net Performance	Range
54Mbps@OFDM	64QAM	12(±1.5) dBm	-75 dBm	up to 23.4 Mbps	up to 2.0 Km
36Mbps@OFDM	16QAM	14(±1.5) dBm	-81 dBm	up to 18.6 Mbps	up to 5.5 Km
18Mbps@OFDM	QPSK	14(±1.5) dBm	-86 dBm	up to 10.2 Mbps	up to 9.8 Km
6Mbps@OFDM	BPSK	15(±1.5) dBm	-89 dBm	up to 4.70 Mbps	up to 13.0 Km
Note*	Range: Link distance with two integrated 14 or 18 dBi antennas at both ends with a 99.7 availability in ideal conditions				
INTERFACES					
Ethernet Manageability	IEEE 802.3(10 Base-T) / IEEE 802.3u(100 Base-TX)				
Management and settings	Web Based Configuration				
Operation Modes	AP / Station / WDS(Bridge) / Repeater / Inter-building private LAN				
SNMP Agents	MIB				
Protocols	TCP/IP, IPX/SPX, NetBEUI				
Operating Systems	Windows 98 / 2000 / NT / XP				
Network Architecture	Point to Point/ Point to Multi-Point/ Hot Spot / Repeater				
IP Routing	Any IP				
QoS	Wi-Fi Multi-media / uplink speed limit				
DHCP supports	DHCP Client				
Other Characteristics	VLAN / HTTP Redirect / virtual Servers				
SECURITY					
Data Encryption	WEP 64 / 128 /152 bits encryption WPA-PSK WPA-TKIP WPA2-AES 128bits				
Authentication	802.1x Auth.(EAP)				
Authorizations	MAC Mac address				
Advanced Security	Disable broadcast SSID Firewall Wireless Client Security Separation (Layer 2 Isolation)				
ANTENNA					
Frequencies	5.150GHz~5.875GHz				
Gain	14dBi (LP-289ai), 18dBi (option P)				
Beamwidth	H 33.4° ; E 36.9°				
VSWR	2.0 :1				
F/B Ratio	40 dB				
Impedance	50 ohm				

Environment	
Operation Temperature	-30°C to 55°C
Storage Temperature	-30°C to 70°C
Humidity	95% non-condensing
Power Supply	
AC 100-264 V, DC 15 V, 50-60Hz	
Physical Dimensions	
Dimensions	197 (L) × 197 (W) × 70 (H) ; mm
Weight	0.8 Kg; 1.8lb

B LP-289ai Antenna Patterns





C How to Order

LP-289ai 5.8 GHz - Antenna Integrated Medium Range AP

LP-289aiP 5.8GHz - SkyMaster advanced Antenna Integrated Medium/Long Range AP