

# Winpower WP-5837S

802.11a Outdoor Subscriber Panel Antenna-integrated

Using advanced OFDM and power amp technology, the WP-5837S has amazing throughput under 5Km transmission. It operates at 5GHz band (5.15, 5.25, 5.47 and 5.725) GHz with 80+ non-overlapping channels.

A total of 37dBm (EIRP) and the 20dBi 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 bridge.

The WP-5837S 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



## Product Highlights

### ➤ LARGE AREA COVERAGE

Up to 37dBm (EIRP) and low noise figure extend the signal transmit distance and enlarge the coverage area as well.

### ➤ IMPRESSIVE DATA RATE AT LONG DISTANCE

Unique technology breaks the distance limit of 802.11a standards. We succeeded in extending the signal up to 10 Km with the impressive high data rate.

### ➤ MANAGEABILITY

Through the Web-based configuration, the AU101A-S is fully manageable locally and remotely. In addition, built-in SNMP support let ISP and enterprise users expand the network infrastructure much easier.

### ➤ COST EFFECTIVE CONNECTION

Integrated antenna design provides best performance and lowest price at the same time support AU101A-S to be the most cost effective solution in the WLAN outdoor Bridge market.

### ➤ RELIABILITY

The AU101A-S is the most reliable outdoor radio which provides a trustworthy passageway in the air with stable and robust design.

### ➤ SECURITY

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

## APPLICATIONS

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

# Winpower WP-5837S

802.11a Outdoor Subscriber Panel Antenna-integrated

5GHz

54Mbps

Bridge

PTP

PTMP

## Specifications

RADIO		
Standards	IEEE 802.11a	
Frequency	5GHz Band	
Operating Channels	FCC (USA)	5.150GHz~5.350GHz 5.725GHz~5.825GHz
	ETSI (EUR)	5.150GHz~5.350GHz 5.470GHz~5.725GHz
	MKK (JAPAN)	5.150GHz~5.250GHz
	China	5.725GHz~5.850GHz
	Output Power (EIRP)	37 dBm
Modulation	OFDM	
Range	Up to 10 Km	
INTERFACES		
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3u(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 / 2000 / 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	
	WPA-PSK	
Authentication	802.1x Auth.(EAP)	
Authorization	MAC Address Access Filter	
Advanced Security	Disable broadcast SSID	
	Client Isolation (Layer 2 Isolation)	
ANTENNA		
Frequency	5.150GHz~5.875GHz	
Gain	20dBi	
Beamwidth	H10 ; E10	
VSWR	1.7 :1	
Front to back ratio	40 dB	
Impedance	50 ohms	
ENVIRONMENT		
Operating Temperature	-20°C~55°C	
Storage Temperature	-30°C~70°C	
Humidity	95% non-condensing	
POWER SUPPLY		
AC	100-264 V, DC 15 V, 50-60Hz	
PHYSICAL		
Dimension	330 (L) ×295 (W) × 105 (H) ; mm	
Weight	2.9 Kg	
WARRANTY		
	1 Year	

