



## AU102A

### 802.11a Outdoor Subscriber Panel Antenna-integrated



#### 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

Using advanced OFDM and power amp technology, the AU102A has high output power and amazing throughput even at long distance transmission. It operates at 5GHz band (5.15, 5.25, 5.47 and 5.725) GHz with 80+ non-overlapping channels.

Highly-powered with a total of 46dBm (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 bridge.

The AU102A 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.

#### Product Highlights

##### > LARGE AREA COVERAGE

High output power up to 46dBm (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 2~8 miles (3~13 Km) with the impressive 54Mbps (Max) data rate.

##### > MANAGEABILITY

Through the Web-based configuration, the AU102A 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 AU102A to be the most cost effective solution in the WLAN outdoor Bridge market.

##### > RELIABILITY

The AU102A 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.

## Specifications

<b>RADIO</b>		
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)	46 dBm
Modulation	OFDM	
Range	Up to 8 miles (13 Km)	
<b>INTERFACES</b>		
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3u(100 Base-TX)	
<b>MANAGEABILITY</b>		
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	
<b>SECURITY</b>		
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)	
<b>ANTENNA</b>		
Frequency	5.150GHz~5.875GHz	
Gain	23dBi	
Beamwidth	H10 ; E10	
VSWR	1.7 :1	
Front to back ratio	40 dB	
Impedance	50 ohms	
<b>ENVIRONMENT</b>		
Operating Temperature	-20°C~55°C	
Storage Temperature	-30°C~70°C	
Humidity	95% non-condensing	
<b>POWER SUPPLY</b>		
AC 100-264 V, DC 15 V, 50-60Hz		
<b>PHYSICAL</b>		
Dimension	335 (L) × 335 (W) × 81 (H) ; mm	
Weight	2.9 Kg	
<b>WARRANTY</b>		
1 Year		
<b>ORDERING INFORMATION</b>		
AU102A	5GHz, 46dBm (EIRP), 802.11a Outdoor Subscriber	

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