



AU202A

802.11a Multi-function Outdoor Radio



Using advanced OFDM and power amp technology, the AU202A 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. This 802.11a outdoor radio is an ideal solution for enterprise / campus connectivity, Hotspot and next-generation broadband wireless Access.

APPLICATIONS

- **Large area coverage hotspots**
- **Long distances P-T-P / P-T-MP Bridge**
- **Dedicated ISP connections for high-reliability base stations and subscribers**
- **Redundant links between buildings**
- **Enterprises or Institutions LAN and PBX extension**
- **Cost effective alternative to wired network environment**

Product Highlights

➤ **LARGE AREA COVERAGE**

High output power for IEEE 802.11a up to 0.2W and low noise figure extend the signal transmit distance and enlarge the coverage area as well.

➤ **IMPRESSIVE DATA RATE AT LONG DISTANCE**

Unique OFDM technology breaks the distance limit of 802.11a standards. We succeeded in extending the signal up to 2~12 miles (3~20 Km) with the impressive 54Mbps (Max) data rate.

➤ **MANAGEABILITY**

Through the Web-based utility AU202A is fully manageable locally and remotely. In addition, built-in SNMP support let ISP and enterprise users expand the network infrastructure much easier.

➤ **FLEXIBILITY**

This radio can play various roles in the wireless infrastructure due to the detachable antenna design. Customer can use the proper antenna according to the different environment, and make the wireless infrastructure deployment more flexible.

➤ **RELIABILITY**

The AU202A is the most reliable outdoor radio which provides a trustworthy passageway in the air with stable and robust design.

➤ **SECURITY**

WEP 64 / 128 / 152bit encryption, WPA-PSK, WPA, 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

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	200mW	
Modulation	OFDM	
Range	Up to 12 miles (20 Km)	
INTERFACES		
RF (connect to the antenna)	N-type (Jack)	
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3u(100 Base-TX) IEEE 802.1d (spanning tree protocol)	
MANAGEABILITY		
Management and setup	Web-based configuration	
Operating mode	AP / WDS / Smart WDS	
SNMP agents	MIB	
Protocol	TCP/IP, IPX/SPX, NetBEUI	
Operating System	Windows 98 / 2000 / NT / XP	
Network Architecture	Hotspot / Point to point / Point to multi-point / Repeater	
IP Routing	Enable any IP	
DHCP supports	DHCP client	
SECURITY		
Data Encryption	WEP 64 / 128 / 152 bits encryption	
	WPA-PSK	
	WPA	
Authentication	802.1x Auth.(EAP)	
Authorization	MAC Access Control	
Advanced Security	Disable broadcast SSID	
	Client Isolation (Layer 2 Isolation)	
ENVIRONMENT		
Operating Temperature	-20 ~55	
Storage Temperature	-30 ~70	
Humidity	95% non-condensing	
POWER SUPPLY		
AC 100-264 V, DC 15 V, 50-60Hz		
PHYSICAL		
Dimension	259 (L) x 250 (W) x 75 (H) ; mm	
Weight	1.8 Kg	
WARRANTY		
1 Year		
ORDERING INFORMATION		
AU202A	5GHz, 200mW, 802.11a Multi-function Outdoor Radio	