

AU200A Series

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 in the 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.

Wireless Distribution System (WDS) technology is easier and more cost effective to deploy in the wireless access environment, saving 30% ~ 50% cost for telecom operators, ISPs and enterprises.

The AU202A has powerful security management because it supports WEP 64 / 128 / 152 bits, 802.1x Authentication (EAP), MAC access control, disabling of the broadcast SSID, client isolation, WPA-PSK and WPA encryption. All these functions make the network much more reliable.

- Long distance and outstanding sensitivity
- Operating at 5GHz ISM Band (5.15, 5.25, 5.47 and 5.725GHz)
- High output power level up to 23dBm (Transmit Power Control)
- Up to 20km
- IEEE 802.11a appliance
- WLL and backbone usage
- Cost-effective solution for telecom operator, enterprise, educational institute and government .
- Waterproof housing

Product Highlights

Large Area Coverage	High output power for IEEE 802.11a up to 0.2W & low noise figure extend the signal transmit distance & 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 3 – 20 Km with the impressive 54Mbps (Max) data rate.
Manageability	Through the Web-based utility AU202A is fully manageable locally & remotely. In addition, built-in SNMP support let ISP & 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, & make the wireless infrastructure deployment more flexible.
Reliability	The AU202A provides a reliable passageway in the air due to it's stable & robust design.
Security	WEP 64 / 128 / 152bit encryption, WPA-PSK, WPA, 802.1 x Authentication (EAP), disable the broadcast SSID, client isolation & MAC Access control build the highest security mechanism to prevent malicious attack through the internet.

802.11a Multi-function Outdoor Radio (cont.)

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)
	China	5.725GHz – 5.850GHz
	Output Power	200mW
	Modulation	OFDM
Range	Up to 20 Km	
Interfaces		
RF (antenna connection)	N-type (Jack)	
Ethernet	IEEE 802.3 (10 Base-T) / IEEE 802.3u (100 Base – TX) IEEE 802.1d (spanning tree protocol)	
Manageability		
Management & 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-PSK	
	WPA	
Authentication	802.1 x Auth. (EAP)	
Authorisation	MAC Address Access Filter	
Advanced Security	Disable broadcast SSID	
	Client isolation (Layer 2 Isolation)	
Antenna		
Frequency	5.150GHz – 5.875GHz	
Gain	23dBi	
Beamwidth	H10 ; E10	
VSWR	1.7 :1	
Front to back ratio	40 Db	
Impedance 5	50 ohms	
Environment		
Operating temperature	-20°C - 55°C	
Storage Temperature	-30°C - 70°C	
Humidity	95% non-condensing	
Power Supply		
AC 100-264V, 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	