

AU100A Series

802.11a Outdoor Subscriber



Using advanced OFDM and power amp technology, the AU102A 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.

Highly-powered, with a total of 46dBm (EIRP), and featuring 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 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 13km
- 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 up to 46dBm (EIRP) & low noise figure extend the signal transmit distance & enlarge the coverage area as well.
Impressive Data Rate at Long Distance	Unique technology breaks the distance limit of 801.11a standards. We succeeded in extending the signal up to 3-13 Km with the impressive 54Mbps (Max) data rate.
Manageability	Through the Web-based configuration, the AU102A is fully manageable locally & remotely. In addition, built-in SNMP support lets ISP & enterprise users expand the network infrastructure much easier.
Cost Effective Connection	The integrated antenna design enables the 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 due to it's stable & robust design.
Security	WEP 64 / 128 / 152 bit encryption, WPA-PSK, 802.1 x Authentication (EAP), disable the broadcast SSID, client isolation & MAC Access control build the highest security mechanism to prevent malicious attacking though the internet.

802.11a Outdoor Subscriber (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)	5.150GHz – 5.250GHz 5.725GHz – 5.850GHz
	China	5.725GHz – 5.850GHz
	Output Power (EIRP)	46 dBm
Modulation	OFDM	
Range	Up to 13 Km	
Interfaces		
Ethernet	IEEE 802.3 (10 Base-T) / IEEE 802.3u (100 Base – TX)	
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	
	WPA-PSK	
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	335 (L) x 355 (W) x 81 (H) ; mm	
Weight	2.9 Kg	
Warranty	1 Year	
Ordering Information		
AU102A	5GHz, 46dBm (EIRP), 802.11a Outdoor Subscriber	