

AUE200G Series

802.11g/b Multi-function Radio



Using advanced OFDM and power amp technology, the AUE200G series has high output power and amazing throughput even at long distance transmission. It operates in the 2.4GHz band with 14+ non-overlapping channels. This 802.11g/b 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. It saves 30% ~ 50% of the cost for telecom operators, ISPs and enterprises.

AUE200G series 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 2.4GHz ISM Band
- 200mW / 1W output power
- Up to 20km
- IEEE 802.11g/b appliance
- WLL and backbone usage
- Cost-effective solution for telecom operator, enterprise, educational institute and government .
- Waterproof housing

Product Highlights

Large Area Coverage	High input power for IEEE 802.11 g/b up to 1W & 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 802.11 g/b standards. We succeeded in extending the signal up to 3 – 40 Km with the impressive 54Mbps (Max) data rate.
Manageability	Through the Web-based utility AUE203G is fully manageable locally & remotely. In addition, built-in SNMP support let ISP & enterprise users expand the network infrastructure must easier.
Flexibility	This radio can play various roles in the wireless infrastructure due to detachable antenna design. Customer can use the appropriate antenna according to the different environment, & make the wireless infrastructure deployment more flexible.
Reliability	The AUE203G 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.

802.11g/b Multi-function Radio (cont.)

Specifications	
Radio	
Standards	IEEE 802.11g/b
Frequency	2.4GHz ISM Band
Operating Channels	FCC (USA) 2.412GHz – 2.462GHz (CH1-CH11)
	ETSI (EUR) 2.412GHz – 2.472GHz (CH1 – CH13)
	MKK (JAPAN) 11b : 2.412GHz – 2.484GHz (CH1 – CH14) 11g : 2.412GHz – 2.472 (CH1 – CH13)
	China 2.412GHz – 2.462GHz (CH1 – CH11)
Output Power	IEE 802.11b: 30dBm (±2dB) @ 1/2/5.5/11Mbps IEE 802.11g: 24dBm (±2dB) @ 54Mbps 25dBm (±1dB) @ 48Mbps 26dBm (±dB) @ 36Mbps 26dBm (±1dB) @ 6/9/1/2/5.5/11/12/18/24Mbps
Modulation	OFDM /DSSS
Range	Up to 40 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 & 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	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	802.1 x Auth. (EAP)
Authorisation	MAC Address Access Filter
Advanced Security	Disable broadcast SSID
	Client isolation (Layer 2 Isolation)
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	AUE202G : 1.8 Kg / AUE203G : 2.2kg
Warranty	1 Year
Ordering Information	
AU202G	2.4 GHz, 0.2W OFDM / DSSS Outdoor Bridge / Hotspot Radio
AUE203G	2.4GHz, 1W OFDM / DSSS Outdoor Bridge / Hotspot Radio
AUE102G	2.4GHz, EIRP = 41dBm OFDM / DSSS Outdoor Bridge (18dBi integrated panel antenna)
AUE103G	2.4GHz, EIRP = 48dBm OFDM / DSSS Outdoor Bridge (18dBi integrated panel antenna)