



AUE214GH

3W 802.11b/g Multi-function Outdoor Radio



APPLICATIONS

- Enterprise / Campus Hotspot, Long distance P-T-P / P-T-MP (CPE) Bridge
- Redundant link between buildings
- Wireless Distribution System(WDS)
- Wireless Repeater
- Dedicated ISP connections for high-reliability base stations and subscribers
- Enterprises or Institutions LAN and PBX extension
- Cost effective alternative to wired network environment

Using advanced OFDM and power amp technology, the AUE214GH has 3W high output power and amazing throughput even at long distance transmission. It operates at 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.

It's easier and more cost effective to deploy the wireless access environment with the Wireless Distribution System (WDS) technology. Saving 30% ~ 50% cost for telecom operators, ISPs and enterprises.

AUE214GH 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(TKIP) / WPA2(AES-128bits) encryption. All these functions make the network much more secure and reliable.

Product Highlights

➤ LARGE AREA COVERAGE

High output power up to 3W for IEEE 802.11b/g 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 802.11b/g standards. We succeeded in extending the signal up to 80 Km.

➤ 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.

➤ QoS - Wi-Fi Multi-media (WMM)

Use this feature to support quality of service for prioritizing traffic from the Ethernet to the access point.

➤ Transmit Power Control

Supports settable transmit power levels to adjust coverage cell size, ranging from full, half(50%), quarter(25%) eighth(12.5%) and min.

➤ SECURITY

WEP 64 / 128 / 152 bits, 802.1x Authentication (EAP), MAC access control, disable broadcast the SSID, client isolation, WPA-PSK, WPA-TKIP encryption and WPA2 (AES-128bits) build the highest security mechanism to prevent the malicious attacking from the internet.

Specifications

RADIO			
Standards	IEEE 802.11b/g		
Frequency	2.4GHz Band		
Channel Bandwidth	Software selectable channel bandwidth of 5, 10 and 20 MHz		
Operating Channels	FCC (USA)	1 ~ 11 channels	
	ETSI (EUR)	1 ~ 13 channels	
	MKK (JAPAN)	1 ~ 14 channels	
Data Rte	Modulation	Tx Output pwr	Rx sensitivity
54Mbps@OFDM	64QAM	32(±1) dBm	-79 dBm
36Mbps@OFDM	16QAM	33(±1) dBm	-88 dBm
18Mbps@OFDM	QPSK	34(±1) dBm	-93 dBm
6Mbps@OFDM	BPSK	34(±1) dBm	-96 dBm
Note	35 (±1.5) dBm @ 802.11b		
Note	*RX sensitivity: Packet Error Rate: 10%		
Range (Antenna Depend)	Up to 48 miles (80 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 / Station / WDS / Repeater / Private LAN		
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 / Hotspot / Repeater		
IP Routing	Enable anyIP		
QOS	Wi-Fi Multi-media / AP, Clients uplink speed limit		
DHCP supports	DHCP client		
Other features	VLAN / HTTP Redirect / Virtual Servers / AP Channel Auto Selection / Station Fast Roaming		
	CPU Loading monitor		
	Load Balance		
SECURITY			
Data Encryption	WEP 64 / 128 /152 bits encryption		
	WPA-PSK		
	WPA-TKIP		
	WPA2-AES 128bits		
Authentication	802.1x Auth.(EAP)		
Authorization	MAC Access Control		
Advanced Security	Disable broadcast SSID		
	Firewall		
	Wireless Client Security Separation (Layer 2 Isolation)		
ADVANCED			
Audible Antenna Alignment			
Ethernet Surge protection			
ENVIRONMENT			
Operating Temperature	-30℃ ~ 55℃		
Storage Temperature	-30℃ ~ 70℃		
Humidity	95% non-condensing		
POWER SUPPLY			
AC 100-264 V, DC 24 V, 50-60Hz / DC 48V (Optional for Telecom grade)			
PHYSICAL			
Dimension	259 (L) × 250 (W) × 75 (H) ; mm		
Weight	1.8 Kg		
WARRANTY			
1 Year			