



## AUE214GH

### 3W 802.11b/g Multi-function Outdoor Radio



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.

#### 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**

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				
<b>Data Rte</b>	<b>Modulation</b>	<b>Tx Output pwr</b>	<b>Rx sensitivity</b>			
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°C ~55°C					
Storage Temperature	-30°C ~70°C					
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) x 250 (W) x 75 (H) ; mm					
Weight	1.8 Kg					
WARRANTY						
1 Year						