

AirRunner AG-3621

Zcomax Technologies, Inc. has released the AG-3621 Access point to meet the needs of the WISP and Enterprise markets. The AG-3621 products provides two antenna jacks that allow for the provided certified antenna's or for antenna's that are specific to you networks needs*. Its basic design allows for a secure and cost effective deployment of wireless networks without the high installation and operating costs associated with traditional wired networking.

The AirRunner AG-3621 contains five modes of operation that are necessary in developing a complete wireless LAN; Access Point, Station Adapter, Wireless Bridge, Wireless Repeater and Point to multi-Point. This provides the ability to select one model to cover all your needs.

Designed specifically for Wireless ISPs and IT professionals in order to provide wireless broadband network services, the AirRunner AG-3621 series delivers outstanding network availability, security and radio performance.

* Some antenna configurations will require a regulatory license. Make sure all installations are compliant with local regulatory requirements.



AG-3621 at a Glance

- 802.11abg WiFi compliant
- External Antenna Connector
- 802af PoE Support
- Virtual AP (supports up to 8 VAP's)
- WPA/WPA2 and 802.1x security
- Reliable Atheros Radio Chipset
- Multiple operational modes
- WiFi Multimedia (WMM) support
- WEB and SNMP Management



Physical Specification:

Dimensions (L x W x H)	200mm x 145.5mm x 36.2mm
Weight	805g
Push Button(s)	1 Default Button
Flash / SDRAM	8M Flash , 32 M SDRAM
Ports	1 RJ 45, 1 Power, 2 External Ant. Jacks

RF Specification:

Operating Frequency		
Country	802.11a ISM Band	802.11b/g ISM band
USA (FCC)	5.15 ~ 5.35GHz 5.725 ~ 5.825GHz	2.412 ~ 2.462GHz
Europe (ETSI)	5.47 ~ 5.725GHz	2.412 ~ 2.472GHz
Japan (TELEC)	5.15 ~ 5.25GHz	2.412 ~ 2.484GHz
China	5.725 ~ 5.850GHz	
Transmitter Output Power		
IEEE 802.11a	54Mbps / 6mbps = 12dBm / 16dBm	
IEEE 802.11g	54Mbps / 6mbps = 16dBm / 19dBm	
IEEE 802.11b	11Mbps = 20dBm	
Antenna Connector	2 x SMA Reverse Polarity Female	
Antenna	2dBi Dipole Antenna	
Media Access Protocol	CSMA/CA w/ACK	
Modulation		
OFDM	48/54 Mbps (QAM-64) 24/36 Mbps (QAM-16) 12/18 Mbps (QPSK) 6/9 Mbps (BPSK)	
DSSS	CCK (11Mbps, 5.5 Mbps) DQPSK (2 mbps) DBPSK (1Mbps)	
Receiver Sensitivity		
IEEE 802.11a @ PER 10%	54Mbps -72dBm	
IEEE 802.11g @ PER 10%	54Mbps -74dBm	
IEEE 802.11b @ PER 8%	11Mbps -87dBm	
RF Bandwidth Control	Available selections 5MHz , 10MHz, 20 MHz	

Electrical Specification:

Supply Voltage	15 Vdc, +/- 5% 1A
Supply Voltage Ripple	120mV (pp) max.
Power-on startup time	<600 ms

LED Display

Power	Green Indicates ready state
Test	Orange
LAN Link	Green Indicates physical link
LAN Speed	Green Indicates connected LAN speed
Wireless (802.11G)	Green Indicates operational mode
Wireless (802.11A)	Green Indicates operational mode

Features

Operational Modes	Access Point, Station adapter, Wireless Bridge, Repeater, and Point to Multi-Point.
Power	Integrated Power over Ethernet (PoE)
IEEE	80211abg WiFi compliant
Security	WPA2 and 802.11i-ready and 802.1x
Multimedia Optimization	WiFi Multimedia (WMM)
SNMP V2 Agent	802.11 MIB and Private MIB

Environmental

Working Temperature	0 ~ 55°C, 90% relative humidity (non-condensing)
Storage Temperature	-20 ~65°C, 90% relative humidity (non-condensing)

Supported Standards

Wireless Standards	IEEE 802.11abg (WiFi Compatible)
Performance	IEEE 802.11p (QoS Priority), 802.11e (Wireless QoS), 802.11d (STP)
Security	IEEE 802.1x (Secure Authentication), 802.11q (VLAN)
Ethernet	IEEE 802.3/U 10/100 Base-Tx RJ-45
Ethernet Protocols	TCP/IP, IPX, NetBEUI
Power	IEEE 802.3af (Power over Ethernet)

Security

Authentication	Open System, Shared Key, 802.1x, WPA with Radius, WPA with Pre-Shared Key, WPA2 with Radius, WPA2 with Pre-Shared Key
Dynamic Key Exchange	EAP-MD5, EAP-TLS, EAP-TTLS, EAP-PEAP
Data Encryption	WEP (10,128,152bit) with pass phrase generation TKIP, AES
MAC Access Control	Yes
SSID Broadcast (Enable/ Disable)	Yes
Wireless Isolation	Yes
VoWLAN Enhancement	Yes (vQOS, Fast Roaming and Power saving)
Firewall management	Yes
VLAN / NAT	Yes
Virtual AP	8 Virtual APs (Multi BSSID) with different security profiles.

Warranty

The AG-3621 is supplied with a 12 month warranty