

BLW-54SAG Atheros a+g Broadband Router



▶ Feature

The Wireless A+G Broadband Router is a complete all-in-one networking solution for homes and small/medium enterprises. With its built-in 4 10/100Mbps auto-sensing Ethernet switch ports, users can link multiple computers to Internet without hassle. The built-in wireless function can let you connect wirelessly with your desktop or notebook computers from up to 300 meters away, either wireless A or wireless G. A natural firewall protects your local computers from outside intruders. Enhanced firewall capabilities can resist various kinds of malicious attacks.

■ Share Internet Connection

The device supports ADSL/Cable Internet connection sharing. It is an all-in-one box for user to share Internet access.

■ Wireless Function

The Wireless A+G Router's efficient dipole antennas offer a covered range up to 300 meters and seamless roaming throughout wireless LAN infrastructure. The wireless operation provides data rate at 54,48,36,24,18,12, 9,6 Mbps on 11g and auto fallback as well as 11, 5.5, 2, 1 Mbps on 11b The Wireless Router provides multiple levels of security: 64-bit/128-bit key WEP data encryption for high-level security. Moreover, the use of IEEE 802.1X offers an effective framework for authenticating and controlling user traffic to a protected network, as well as dynamically varying encryption keys. Proprietary wireless range extension technology expands wireless range at lower bitrate.

■ Firewall Security

This Router is a special design for local network users to resist the hacker attacking your private network and share networking resource. Not only with the NAT as natural firewall, the build-in powerful advanced firewall engine prevents the DoS attack, proceeds SPI, stops LAN users accessing inappropriate web site, as well as setting the Internet accessing time schedule. Content filtering shields you children from any inappropriateness allowing you to set levels for nudity, sex, violence, and language.

■ Easy Management

Users can manage the device using standard Java-compatible browser, like IE5.0 or above, Netscape 4.0 or above.

■ Time of Day Access Control List

Users can set up the schedule for individual PCs through ToD (Time of Day) ACL (Access Control List) for when blocking occurs.

■ NAT Requirements

The implementation of NAT must allow for specific port redirection, and must provide support for the following "NAT-unfriendly" applications:

- MSN Messenger
- NetMeeting
- CuSeeMe
- Microsoft PPTP client
- Microsoft Traceroute
- RealAudio
- VDOLive
- IRC
- ICQ
- Quake, Quake variants, and other popular games
- Port Forwarding

■ Firewall Support

BLW-54SAG supports Stateful Packet Inspection (SPI), and DoS prevention.

■ Denial of Service

- DoS: Denial of Service (DoS) attacks is aimed at devices and networks with a connection to the Internet. Their goal is to disable a device or network so users no longer have access to network resources. This feature is to protect the BLW-54SAG Router from these attacks.
- Periodical reports and logs:
The log will always keep the latest attack information, up to 500 messages . The log can be sent to the assigned administrator via email by weekly, daily, hourly, or every periodical report page included the latest 128 attacking messages list.

Specification

* Product Specifications

Main Processor	AR5312 at 220MHz
SDRAM	16 MByte
Flash ROM	4 MByte
Switch controller	KENDIN KS8995 PQFP-128
Power Input	5VDC, 2.5A
I/O Port	DC Jack, 4 port LAN, 1 port WAN, Reset Button, LED indicators
Antenna Type	Dual Band Dipole, 2.4G/ 2dBi, 5G/ 2dBi, R-SMA
Transmitted Power	802.11a: max 16dBm (non-include Antenna gain) 802.11g: max 18dBm (non-include Antenna gain) 802.11b: max 20dBm (non-include Antenna gain)
Frequency Band	802.11a Unlicensed National Information Infrastructure (U-NII) frequency band, 5.15G ~ 5.35GHz 5.47G ~ 5.725GHz 5.725G ~ 5.850GHz (subject to local regulations) 802.11b/g ISM band 2.400 ~ 2.4835GHz (subject to local regulations)
Modulation	802.11a/g: OFDM; 802.11b: CCK (11 Mbps, 5.5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
Receive Sensitivity	802.11a/g Typical -69dBm@54Mbps 802.11b Typical -85 dBm@11Mbps
Operation Requirement	Operating Temp: 0°C to 40°C (32°F to 104°F) Storage Temp: -20°C to 70°C (-4°F to 158°F) Operating Humidity: 10% to 85% Non-Condensing Storage Humidity: 5% to 90% Non-Condensing
Dimensions	140 x 160 x 18 mm

* LED Status

LED	Color(s)	Activity	Description
Power	Green	Off	Power OFF

		Green On	Power On / Device Ready
		Green Blinking	Booting / System Self-Test / Firmware upgrade
DMZ	Green	Off	DMZ function is disabled
		Green On	DMZ function is enabled
11a	Green	Off	5G Wireless option is disabled
		Green On	5G Wireless option is enabled
		Green Blinking	Data is transmission through wireless
11g	Green	Off	2.4G Wireless option is disabled
		Green On	2.4G Wireless option is enabled
		Green Blinking	Data is transmission through wireless
LAN (1-4ports)	Green	Off	No connection on LAN port
		Green On	LAN link is up
		Green Blinking	Data is transmission through LAN interface
WAN	Green	Off	No connection on Internet port
		Green On	WAN link is up
		Green Blinking	Data is transmission through Internet interface

*** General Features Summary**

Feature	Additional Info
Protocol Support	Point-to-Point Protocol (PPP) IP Routing RIP1/RIP-2 Advanced Routing TFTP in firmware PPTP support IGMP Proxy
Management	Embedded Web configuration TFTP sever, firmware upgrade, configuration backup and restore are supported DHCP, Static IP, PPPoE, and PPTP login support
Diagnostics Capabilities	The router can perform self-diagnostic tests. These tests check the integrity of the following circuitry: FLASH memory RAM CPU

	LAN
UPnP	UPnP DCP UPnP protocols NAT traversal
support exporting log	be able to send log to external viewer
manually set time	user adjustable time/date setting
manually enter NTP server address	enter NTP server address
QoS support	4 priority level port based application based MAC address based 802.1p DSCP
Other Features	DHCP Server/Client DNS Proxy Dynamic DNS Dynamic / Static IP Address Assignment multiple VPN passthru Super G capable URL Blocking WEB filter and keyword blocking Traceroute Security Log DHCP Client Log SPI Firewall

Product View

