

BLW-04SAG Intelligent Dual Bands Super A+G 108Mbps Wireless Broadband Router



Feature

The BLW-04SAG is a small desktop router that sits between your local Ethernet network and a remote network (e.g., the Internet). The BLW-04SAG contains a WAN port connecting to an external ADSL/Cable modem, a DMZ port, a four-port 10/100Mbps Ethernet switch for connection to PCs on your local wired network, and one wireless interfaces for connection to your local wireless 802.11a/b/g network supporting a data rate of up to 108 Mbps. This Intelligent Dual bands Super a + g 108Mbps Wireless Broadband Router(BLW-04SAG) can accord with the wireless network environment of the high-level request of the need (such as all universities and colleges, company, the coffee shop , network coffee, any can be with the place that surf the Net), And provides SNMP, RMON functions. This Intelligent Dual bands Super a + g 108Mbps Wireless Broadband Router (BLW-04SAG) must be your best choice.

■ Support Dual bands Wireless LAN

The PCI BLW-04SAG offers transfer rates up to 54Mbps in both 2.4GHz and 5GHz bands, which provides up to five times the throughput of previous 802.11b wireless devices. Users can work faster, more efficiently or watch online video smoothly. With the support of the (802.11a) 5GHz band, user can transfer data quickly without the interference produced by other devices operating in the 2.4GHz frequency.

■ Intelligent function

Support the SNMP(Simple Network Management Protocol)function, And supports MIB-II (RFC1213). Ether-link MIB(RFC-2665) . 802.11 MIB(6 tables). IF-MIB (RFC-2233),The TCP/IP network management protocol. Compatible with the standard protocol specifications and used when management information of network equipment (agent) such as router and switch is sent to the management system (the manager).

Support System Log function, can note down the wrong incident function of the network , and Syslog (RFC-3164) function, when the network incident happens, usable E-Mail warns the function to notify and carry the systematic administrative staff. Virtual Server (Up to 40 groups of Server) with have Multi-DMZ function (support 6 groups of IP) to establish the function. Support VPN (L2TP, PPTP, IPSec) pass through function. Support IP Routing Table function, and have RIP v1 / v2 route functions, Static and default route , OSPF (RFC2328) ,etc. Have DNS relay / Dynamic DNS function, and support PPPOE, Multi-PPPoE (Up to 4 Concurrent PPPoE Connections), IP Unnumbered, PPTP , PPTPOE, with support NTP Client function.

And support UPnP (Universal Plug and Play) network function.

■ WDS

There is WDS (Wireless Distribution Service) that can support 8 units bridge graft function , with the functions , such as Repeater Mode way ,etc. , support WDS + Router mode function, support and use and establish into AP mode or Router mode and combine WDS structure to mix and use.

■ Setting CLI Interface

Command Line Interface (CLI) commonly used for configuring network devices has been adopted as the setting screen of the product. Thus, the burden of learning the local commands applicable for a specific device is reduced, allowing for much easier network management. The usual straightforward GUI is adopted as the Web setting screen.

■ Primary and secondary RADIUS authenticator

An authentication and accounting system used by many Internet Service Providers(ISPs). When you dial in to the ISP you must enter your username and password. This information is passed to a RADIUS server, which checks that the information is correct, and then authorizes access to the ISP system, support 802.1x Authenticator / EAP-TLS, PEAP, EAP,TTLS.

■ Wi-Fi Certified

The product has acquired the Wi-Fi certification that guarantees interpretability between wireless devices manufactured by different vendors.

■ Spanning tree function conformant to IEEE802.1d

Utilizing the spanning tree function, permanent data looping prevention is possible even within the physically looping networks. Because of the function it is not necessary to reset permanently looping network, It is the time of occurrence of obstacles, it can guarantee redundant conversion routes.

■ Reliable security features

The product supports 64/128/152bit WEP (Wired Equivalent Privacy), as well as WPA (Wi-Fi Protected Access), Support AES-CCM, TKIP, The latest wireless security standard and enables the construction of a truly secure wireless LAN environment. Along with MAC address filtering function.,Privacy Separator function, The "Hide ESS-ID" function of BLM-04SAG makes the Access Point invisible to other wireless LAN devices, protecting it from an unauthorized access.

■ Support IEEE802.11d Worldwide Roaming

The product supports Roaming, an advanced technology which automatically selects (and connects to) the most appropriate access point while the wireless terminal/client moves. . Since wireless LAN devices supporting this feature neither require re-configuration or reconnection nor suffer disconnection while moving, the devices allow the users to move freely while they are online.

■ Web-Based Configuration

The parameters of wireless LAN can be configured via a standard Web browser. Its easy-to-use graphical interface allows even a beginner to set up wireless LAN parameters with ease.

Build and support GUI of browser (Web-Browser) to manage interfaces inside, can establish all functions of management immediately through the browser , can support and upgrade firmware function with Upload & Download through HTTP Browser (Web GUI) , support TELNET Remote, And support CLI (Command Line Interface with Telnet).

Specification

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| Model number | | BLW-04SAG |
| Wireless | International Standard | IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.1x IEEE 802.3u |
| | Antenna | (5GHz)1 x Built-in Antenna (2.4GHz)1 x External Antenna /Dipole Detachable Antenna(SMA type) |
| | Frequency Range | IEEE802.11a : 5.170GHz ~ 5.805 GHz IEEE802.11b : 2.412GHz ~ 2.472GHz IEEE802.11g : 2.412GHz ~ 2.4835GHz |
| | Number of Channels | IEEE802.11a:34, 38, 42, 46~ 165ch IEEE802.11b:1~14ch IEEE802.11g:1~13ch |
| | Data Transfer Rate | IEEE 802.11a: 6/9/12/18/24/36/48/54Mbps(auto sensing) IEEE802.11b:1/2/5.5/11Mbps (auto sensing) IEEE802.11g:6/9/12/18/24/36/48/54Mbps (auto sensing) |
| | Modulation Method | IEEE802.11a:BPSK(6/9Mbps),QPSK(12/18Mbps), 16-QAM(24/36Mbps),64QAM(48/54Mbps) IEEE802.11b:DBPSK(1Mbps),DQPSK(2Mbps),CCK(5.5/11Mbps) IEEE802.11g:BPSK(6/9Mbps),QPSK(12/18Mbps), 16-QAM(24/36Mbps),64QAM(48/54Mbps) |
| | Output power | 802.11a: 16 dBm (Max) 802.11b: 14 dBm (Typical) 802.11g: 16 dBm (Typical) |
| | Security | WEP 64-bit, 128-bit, 152-bit Encryption MAC Access Control for the wireless interface(1024 entries) 802.1x Authentication Support/ EAP-TLS, EAP-TTLS Support Primary & secondary RADUIUS server WPA with TKIP and AES Support, WPA-PSK |

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| | | <p>Hidden SSID (No broadcast SSID function)</p> <p>Wireless DoS attack detection and block</p> <p>Support special applications including H323, NetMeeting, internet gaming</p> <p>Default private receiver (Software DMZ)</p> <p>Hardware DMZ</p> <p>Virtual server</p> <p>IP Filtering</p> |
| | WAN Encapsulation | <p>Static IP</p> <p>DHCP client; PPPoE client</p> <p>PPTP client</p> |
| | DHCP Server | <p>Build-in DHCP server</p> <p>Support static DHCP assignment</p> |
| | IP Address Assignment | <p>DHCP Client</p> <p>Static IP Address</p> |
| | IP Routing | <p>Rip v1 & v2</p> <p>Static and default route</p> |
| Wired | International Standard | <p>IEEE802.3 :10 BASE-T</p> <p>IEEE802.3u :100 BASE-TX</p> <p>IEEE802.3x Flow control</p> |
| | Number of Ports | <p>4 x RJ45 (4x 10/100 Mbps Ethernet Switch Auto MDI/MDI-X) for LAN ports</p> <p>1 x RJ45 for WAN</p> <p>1 x RJ45 for DMZ</p> |
| | Supported Media | <p>UTP/STP Cable 10Mbps :Category 3 or greater</p> <p>UTP/STP Cable 100Mbps :Category 5 or greater</p> |
| | Data Transfer Rate | <p>10/100Mbps</p> |
| Management | | <p>Web-Based Management Tool</p> <p>UPnP</p> <p>SNMP V1 & V2</p> <p>MIB: Ethernet, MIB II, 802.11</p> <p>Command line interface with Telenet</p> <p>Upload & download test-based configuration file vis HTTP browser</p> <p>Firmware upgrade via HTTP browser</p> <p>Watch Dog Timer to warm boot up system</p> <p>Log Support: System Log, Syslog Support, Associated Wireless Client</p> <p>Table, E-Mail Alerting</p> <p>UPnP support. Multi-SSID support.</p> |

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| SNMP | SNMP v1/v2c support , MIB-II (RFC1213) Ether-link MIB(RFC-2665) 802.11 MIB(6 tables) IF-MIB (RFC-2233) SNMP Trap |
| Spanning Tree Protocol(STP) | IEEE802.1d Support |
| VLAN | IEEE802.1Q VLAN With VID VLAN. |
| QoS | IEEE 802.1p Priority Queues and QoS WME Support |
| Power Consumption | 7W Max |
| Power Supply | AC Adapter ,Input DC 5V/2A |
| Operating Temperature | 0-40°C |
| Storage Temperature | -20~65°C |
| Operating Humidity | 10 to 90% (Non-condensing) |
| Dimensions | 32(W)*180(H)*150(L)mm |
| Weight | 360g |
| Supported OSes | Windows 98SE/ ME /2000 / XP |
| EMI | FCC Class B. DGT. CE Mark. VCCI Class A |
| LED | Power, Act, Link, 11a WLAN,11b WLAN . |
| Warranty Period | 1 Year |
| Package Contents | BLW-04SAG, CD-ROM User's Manual, AC Adapter, UTP LAN Cable (1M). |

Product View

