

ZISA A100WL

ADSL2+ 1Port WIFI Router



Description

The A100WL is a high integrated residential broadband access device. It provides one ADSL2+ RJ11 port, one built-in Ethernet ports access point. The A100WL fully complies with ADSL/2/2+ standards and can provide high performance access to Internet, downstream up to 24 Mbps and up stream up to 1 Mbps. The Ethernet section complies with IEEE802.3/802.3u standards. Once this device is connected to Internet by DSL line, the computers on the LAN side can share the Internet access by Ethernet port access point. At the same time, these local computers can also communicate with each other, sharing the resources and files.

Applications Diagram

- ● Shared broadband internet access
- ● Higher data rate broadband sharing
- ● PC file and application sharing
- ● Network and online gaming

Specifications

System Specifications

Chipset RTL8671SR
 SDRAM Embedded 8MB
 Flash 2MB

Features and Technical Specifications

Data Rates

Downstream: up to 24 Mbps
 Upstream: up to 2 Mbps (Annex M) or up to 1 Mbps (Annex other)

Basic Features

Support up to 8 permanent virtual circuits (PVCs)
 Industry standard and interoperable DSL interface
 General IP: NAT/PAT, DHCP server/relay, DNS relay

Routing: Static routing, RIP V1 and V2

Security: NAT, IP filtering, Password Authentication, Denial of Service (DoS)

ADSL Features

Support ANSI T1.413 Issue2

Support ITU G.992.1 (G.dmt) Annex A

Support ITU G.992.2 (G.lite) Annex A

Support ITU G.992.3 ADSL2 (G.dmt.bis) Annexes A, L, M

Support ITU G.992.4 ADSL2 (G.lite.bis)

Support ITU G.992.5 ADSL2+

Ethernet Features

Fully compliant with IEEE802.3/802.3u auto-negotiation function.

Support 10base-T and 100base-TX.

Support half duplex and full duplex.

Support back pressure flow control for half duplex and IEEE802.3x flow control for full duplex.

Support MDI/MDIX auto cross.

Wireless Features

Standard

IEEE802.11b/g/n

Modulation schemes

= 802.11g: 64QAM, 16QAM, QPSK, BPSK, DSSS

= 802.11b: CCK, DQPSK, DBPSK

= HT20 and HT40: 64 QAM, 16QAM, QPSK, BPSK

Wireless data rate

= 802.11b: 11, 5.5, 2, 1 Mbps per channel, auto fallback for extended range

= 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range

= HT20: up to 150 Mbps

= HT40: up to 300 Mbps

Security

64-bit, 128-bit WEP, AES, TKIP, WPA, WPA2, 802.1x

External Connectors

1 push power switch

1 DC power jack

1 LAN 10/100M Auto MDI/MDIX RJ45 port

1 factory reset button

1 WAN RJ11 DSL port

1 x WPS button

1 x WLAN button

Bridging/Routing

RFC 1483 Bridge

IEEE 802.1D transparent bridging

Bridge Filtering
RFC 1483 Router
RIP 1 & 2 supported
DHCP (RFC1541) Server, Relay
Network Address Translation (NAT)/ Network Address Port Translation (NAPT) DNS relay
IGMP v1 and v2

Encapsulation

RFC 1483 router/bridge
PPPoA
PPPoE
MER

LEDs

Power
DSL
Data
Ethernet

Management Support

Support Web/TFTP mode which use as native and long-distance edition upgrade.
Support Web interface setting.
Support Telnet CLI command line.
Support the reset function: hardware reset or Web interface mode.
Support configuration file backup and restoration.
Support LAN port IP address amend function.
Support system log function.
Support SNMP V1/V2C native and long-distance control (MIB II RFC1213/ADSL line MIB RFC 2662 ATM MIB RFC 2515).
Support Sntp enactment.

Security Support

Support firewall function.
Support two-level users and passwords (can be revised) for login.
Support the electronic signature function (preventing different types of editions from upgrading each other).
Support DoS which detects and protects a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan).
Support packet filter based on IP and port.
Support access control based on MAC.
Support PAP and CHAP authentication.

Consumption

2.1W

Environment Requirement

Operating temperature: 0°C~40°C (32°F~104°F)

Storage temperature: -40°C~70°C (-13°F~131°F)

Operating humidity: 5%~95%, non-condensing

Storage humidity: 5%~95%, non-condensing

EMC and Safety

- FCC class B
- CE Mark class B

ZISA Corporation Limited

Tel: +86-10-52885062 Fax: +86-10-58236899

Mail to : sales@zisacom.com.cn

URL: <http://www.zisacom.com.cn>

Specifications are subject to change without notice.

Copyright © ZISA Corp. All rights reserved.

