

# ZISA A100

## ADSL2+ 1Port Router



### Description

The A100 is a high integrated residential broadband access device. It provides one ADSL2+ RJ11 port, one build-in Ethernet ports access point. The A100 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.

## **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

## **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

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