



Z H O N E

# ADSL2+ Single Port Modem

1611-A2-xxx

## ADSL2+ Single Port Bridge/Router

- ✓ *Auto-connect feature will automatically detect the first usable PVC and automatically detect PPPoE, PPPoA, and Bridge Protocol(with DHCP Server available)*
- ✓ *Configurable as either a Bridge or Router*
- ✓ *Filter traffic based on Destination or Source IP Address and MAC Addresses*
- ✓ *Traffic Class Rules based on Protocol, Source IP, Source Port, Destination IP, Destination Port, 802.1p*
- ✓ *Single Click DSL test - Tests Ethernet connection and ADSL Synchronization along with ATM OAM F5 segment pings and end-to-end pings.*
- ✓ *Configured through easy-to-use web interface*
- ✓ *ADSL BER Test based on idel cell bit error protection*



The 1600 ADSL2+ family of endpoints deliver the required performance for multimedia applications at very competitive price points. The 1600 ADSL2+ endpoints, in compact form factor, have been successfully used for residential, business, in-building deployments such as hotel/motel, temporary housing, and dormitory-campus installations for high-speed internet access (HSIA) and video-on-demand services.

The Zhone 1600 ADSL2+ endpoints are easily user-installed. The embedded web-based user interface is designed to simplify ADSL deployment. All products provide an Ethernet connection that is auto-sensing, eliminating the worry about connection cable type (straight-through vs crossover).

Default settings make for a quick and easy installation that doesn't require any configuration.

The modem, when operating in router mode, support DHCP Server/Relay/Client, NAT, as well as RIP, dynamic routing, port forwarding, and static routing. For security, firewall functions including PAP/CHAP authentication and IP filtering are supported.

## Technical Specifications

### Dimensions

- W (5.03in) x D(4.33in) x H(1.18in)

### Weight

- 0.33lbs

### Power

- Input 100 VAC, 50Hz
- Input 110 VAC, 60Hz
- Input 240 VAC, 50/60Hz
- Output 5VDC 1A

### Interfaces

- DSL Line: RJ11
- Ethernet: 1 Port 10/100BaseT, Auto MDI/MDIX
- On/Off Power Switch

### Standards Support

- ATM Support
  - ITU-T I.610 F4/F5 OAM Send and Receive/Loop back
  - Support for 8 PVC's
  - RFC 1483/2684 (Bridged/Routed Ethernet over ATM)
- Routing/Bridge Support
  - Transparent Bridge Support
  - DHCP Server/Relay/Client
  - DNS Relay Agent
  - Dynamic DNS Support
  - DMZ support
  - Static Routing
  - RIPv1 and RIPv2
  - Policy based QoS (TOS, 802.1p, Source/Destination IP Address, Source/Destination Port, Protocol)
- PPP Support
  - PAP/CHAP authentication
  - PPPoA
  - PPPoE
- Security
  - NAT for Basic Firewall support
  - Ingress and Egress Packet Filtering
  - Parental Control
  - MAC Filtering
  - Stateful Packet Inspection

### Protocol Support

- ANSI T1.413 (Full Rate ADSL)
- ITU G.992.1 (DMT)
- ITU G.992.2 (G.lite)
- ITU G.992.3 (ADSL2)
- ITU G.992.5 (ADSL2+)
- ITU G.994.1 (G.hs)
- Annex L
- Annex M

### Management

- Web-based Configuration GUI
- CLI
- Telnet Remote Management
- FTP/TFTP firmware upgrade and configuration backup/restore
- Syslog Support

### Regulatory Compliance

- FCC Part 15, Part 68
- CE
- UL
- TUV
- RoHS compliant

### Operating Requirements

- Operating Temperature: 32F to 104F (0C to 40C)
- Storage Temperature: -4F to 149F (-20C to 65C)
- Humidity: 5% to 95%, non-condensing

## Ordering Information

1611-A2-200	ADSL2+ CPE Router, 10/100BaseT, N.A.
1611-A2-302	ADSL2+ CPE Router, 10/100BaseT, EURO



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