ADSL2+ 4 Port WiFi N Bridge/Router

✓ *802.11b/g/n Wireless Access Point*

✓ *3G/4G backup via USB Dongle*

✓ *Traffic Class Rules based on Protocol, Source IP, Source Port, Destination IP, Destination Port, 802.1p*

✓ *Configured through easy-to-use web interface*

✓ *TR-069 remote management client certified on industry leading management systems.*

The 6500 ADSL2 + family of endpoints deliver the required performance for multimedia applications at very competitive price points. The 6500 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 6500 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).

The 6500 ADSL2 + family endpoints integrates the 802.11N WiFi access point is suitable for bandwidth intensive application while allowing easy installation without wiring for high speed internet.

DELT or Dual End Loop Test, is a feature that is present the 6200 Family of ADSL2 + CPEs. DELT is primarily used for reactive tests on a loop after a modem has been deployed—either to help troubleshoot a line or to capture a baseline of loop characteristics at the time of installation. Because DELT is a dual-ended test, it requires equipment that supports the DELT feature at both ends of the copper loop. While this prevents DELT from being used on loops where no CPE has yet been deployed, DELT in turn offers a deeper set of loop tests, and can provide very valuable information on the condition of a copper loop.

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, NAPT, as well as RIP, dynamic routing, port forwarding, and static routing. For security, firewall functions, PAP/CHAP authentication and IP filtering are supported.

Technical Specifications

Dimensions

- 7.32" (H) x 6.38" (W) x 3.5" (D)
- 186 mm (H) x 162 mm *W) x 89mm (D)

Weight

- Net: 0.52 lbs (235 g)
- Gross: 1.28 lbs (582g)

Power

- Input: 100-240VAC, 50/60Hz
- Output: 12VDC, 1A

Interfaces

- DSL Line: RJ-11
- Ethernet: RJ-45 4 Port 10/100BaseT
- Wireless: 802.11b/g/n, 2x2
- USB 2.0 Type A
- WiFi WPS Button
- WiFi On/Off Button
- Reset Button
- On/Off Button

Wireless Support

- Supports IEEE 802.11n, 802.11b and 802.11g simultaneously
- Supports network authentication: Open, Shared (WEP 64-bit or 128-bit), 802.1X, WPA, WPA-PSK, WPA2, WPA2-PSK, Mixed WPA2/WPA, Mixed WPA2/WPA-PSK
- Wireless Distribution System (WDS)
- Wireless MAC Filter
- AP Isolation - Wireless clients can not communicate with each other when enabled
- Xpress Technology - can improve aggregate throughput by up to 75% in mixed networks.
- Channels 1 - 11
- Frequency Range ~ 2.400 - 2.480GHZ
- Internal 5dBi Antennae
- 100mW

Standards Support

- ATM Support
  - ITU-T I.610 F4/F5 OAM Send and Receieve/Loop back
  - Support up to 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)
  - IGMP v1/v2
- PPP Support: PPPoA, PPPoE, PAP/CHAP authentication
- Security
  - NAT for Basic Firewall support
  - Ingress and Egress Packet Filtering
  - Parental Control
  - MAC Filtering
  - Stateful Packet Inspection
- DELT support
- uPNP support

Protocol Support

- ANSI T1.413 (Full Rate ADSL)
- ITU G.992.1 (DMT)
- ITU G.992.3 (ADSL2)
- ITU G.992.5 (ADSL2+)
- ITU G.997.1
- Annex L
- Annex M

Management

- Web-based Configuration GUI
- CLI
- Telnet Remote Management
- FTP/TFTP firmware upgrade and configuration backup/restore
- Syslog Support
- TR-069

Regulatory Compliance

- CE
- ISO/IEC 60950
- FCC
- UL
- RoHS

Operating Requirements

- Operating Temperature: 32° F to 104° F (0° C to 40° C)
- Storage Temperature: –4° F to 158° F (–20° C to 70 C)
- Operating Humidity: 10% to 95%, non-condensing
- Storage Humidity: 5% to 95%, non-condensing

Ordering Information

6519-W1-NA	ADSL2+ CPE Router, 802.11N WiFi 2x2, N.A.
6519-W1-UK	ADSL2+ CPE Router, 802.11N WiFi 2x2, U.K.
6519-W1-EU	ADSL2+ CPE Router, 802.11N WiFi 2x2, EURO