ADSL2+/ReachDSL Single Port Bridge/Router with USB

- ✓ *Revolutionary combination of standards based ADSL and ReachDSL on a single platform*

- ✓ *DELT - Dual Ended Loop Testing*

- ✓ *Automatically selects technology with best performance - ADSL, ADSL2, ADSL2+, or ReachDSL 2.2*

- ✓ *Speeds beyond 24 Mbps using ADSL2+*

- ✓ *Compatible with all DSLAMs providing standard ADSL, ADSL2, and ADSL2+*

- ✓ *Integrated telephone filter*

- ✓ *Bridge and router configurations*

With Zhone's innovative, easy to use ADSL2 + /R CPE family, service providers can provide ADSL2 + service and ReachDSL service in the same unit, ensuring coverage to the entire subscriber base.

The Zhone 6300 enhanced CPE 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). All units include a built in POTS filter that eliminates the expense of an external filter as well as reduces installation errors.

The 6300 enhanced CPE all default to a simple bridge. This and other default settings make for a quick and easy installation that doesn't require any configuration.

When operating in router mode, these gateways support DHCP Server/Relay/Client, NAPT, as well as RIP, dynamic routing, port forwarding, static routing, and ping initiation. For security, firewall functions including PAP/CHAP and Packet Filtering are supported.

In addition, all of the CPE that make up the 6300 family support DELT, or Dual End Loop Test. Because DELT is a dual-ended test, it requires equipment that supports the DELT feature at both ends of the copper loop.

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.

ADSL2+/ReachDSL Single Port Modem

Technical Specifications

Dimensions

- 1.2" H x 6" W x 4.4" D (3.05cm H x 15.24cm W x 11.8cm D)

Weight

- 1.5lbs (shipping weight)

Power

- 100 VAC, 50 Hz
- 110 VAC, 60 Hz
- 220VAC, 50/60 Hz

Interfaces

- DSL Line: RJ11
- Phone: RJ11 (with integrated phone filter)
- Ethernet: 10/100Base T
- USB 1.1

Standards Support

- ATM:
  - RFC 1483/2684 Multiprotocol Encapsulation over ATM
  - Up to 8 PVCs, UBR, CBR, VBR
  - OAM F5, F4 Loopbacks
- PPP
  - RFC 2364 PPP over ATM
  - RFC 2516 PPP over Ethernet
  - PAP/CHAP
- Routing/Bridge
  - IPv4, TCP, UDP, ICMP, ARP, RARP, proxy-ARP
  - RIPv1, RIPv2
  - Static Routing
  - DHCP Server/Client/Relay
  - DNS Proxy
  - UPNP
  - IGMP v1,v2 Snooping and Proxy
  - IEE 802.1d transparent bridging
- Security
  - NAPT
  - Stateful Inspection Firewall
  - PPP with PAP/CHAP

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)
- ITU G.997.1
- Zhone ReachDSL 2.2

Management

- Web based User Interface
- Firmware Upgradeable via HTTP
- Telnet Server
- TFTP Server and Client
- SNMP

Bandwidth/Distance

- Downstream Speeds up to 24 Mbps using ADSL2+ (2.2 Mbps with ReachDSL)
- Upstream speeds up to 2 Mbps with ADSL2+ (1 Mpbs with ReachDSL)

Regulatory Compliance

- FCC Part 68
- FCC Part 15
- CE
- UL
- TUV
- ReachDSL 2.2 Spectral Compliance:
  - ANSI T1.417
  - ANSI T1.413
  - UK ANFP
  - ETSI TR101 830-1
  - Approved for all loops in Japan by the TTC

Operating Requirements

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

Ordering Information

6381-A3-200	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, N.A.
6381-A3-210	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, N.A., FCC Part 68 Approved
6381-A3-300	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, U.K.
6381-A3-302	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, EURO
6381-A3-304	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, India
6381-A3-600	ADSL2+/ReachDSL CPE Router (TI), 10/100BaseT, Japan

For more information about Zhone and its products, please visit the Zhone Web site at www.zhone.com or e-mail info@zhone.com

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