6200 ADSL2+ DSL CPE Family

6210, 6211, 6212, 6218

Bridge/Router, Multi-Port Switch, and WiFi Family

- ✓ *Automatically selects technlogy with best performance - ADSL, ADSL2, ADSL2+*
- ✓ *DELT - Dual Ended Loop Test*
- ✓ *Speeds beyond 24 Mbps using ADSL2+*
- ✓ *Compatible with all DSLAMs providing standard ADSL, ADSL2, and ADSL2+*
- ✓ *Integrated telephone filter*
- ✓ *Bridge and router configurations*
- ✓ *Includes PPPoE and PPoA clients*

The 6200 ADSL2 + family of endpoints deliver the required performance for multimedia applications at very competitive price points. The 6200 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 6200 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). All units include a built in POTS filter that eliminates the expense of an external filter as well as reduces installation errors.

DELT or Dual End Loop Test, is a feature that is present the 621x 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.

The 6200 endpoint functions as a simple bridge. Default settings make for a quick and easy installation that doesn't require any configuration.

The 6211, 6212, and 6218 endpoints, when operating in router mode, support DHCP Server/Relay/Client, NAPT, as well as RIP, dynamic routing, port forwarding, static routing, and ping initiation. For secuirty firewall functions including PAP (Password Access Protocol) and CHAP (Challenge Handshake Authentication Protocol) are supported.

Complete Family of CPE: This unique CPE family includes a combination USB, Ethernet, multiport Ethernet, and wireless versions. All of the modems include a full suite of routing functions in addition to bridging and multicast support, along with the USB, Ethernet and wireless interfaces. Features such as DHCP, NAPT, RIP, PPPoE, and PPPoA are included on all versions of the CPE.

The 6212 multiport Ethernet modem and the 6218 multiport Ethernet modem with wireless access incorporate an Ethernet switch rather than a hub and provide versatile solutions for the deployment of residential and business customers including packet voice and video services.

Ordering Information

ADSL2+ Bridged/Routed CPE 10/100BaseT plus USB

6210-A3-200	ADSL2+ CPE Bridge (TI), 10/100BaseT, N.A.
6210-A3-300	ADSL2+ CPE Bridge (TI), 10/100BaseT, U.K.
6210-A3-302	ADSL2+ CPE Bridge (TI), 10/100BaseT, EURO
6210-A3-304	ADSL2+ CPE Bridge (TI), 10/100BaseT, India
6210-A3-305	ADSL2+ CPE Bridge (TI), 10/100BaseT, Australia
6210-A3-600	ADSL2+ CPE Bridge (TI), 10/100BaseT, Japan
6211-A3-200	ADSL2+ CPE Router (TI), 10/100BaseT, N.A.
6211-A3-300	ADSL2+ CPE Router (TI), 10/100BaseT, U.K.
6211-A3-302	ADSL2+ CPE Router (TI), 10/100BaseT, EURO
6211-A3-304	ADSL2+ CPE Router (TI), 10/100BaseT, India
6211-A3-305	ADSL2+ CPE Router (TI), 10/100BaseT, Australia
6211-A3-600	ADSL2+ CPE Router (TI), 10/100BaseT, Japan
6211-I1-200	ADSL2+ CPE Router (Broadcom), 10/100BaseT, N.A.
6211-I1-300	ADSL2+ CPE Router (Broadcom), 10/100BaseT, U.K.
6211-I1-302	ADSL2+ CPE Router (Broadcom), 10/100BaseT, EURO
6211-I1-304	ADSL2+ CPE Router (Broadcom), 10/100BaseT, India
6211-I1-330	ADSL2+ CPE Router Annex B (Broadcom), 10/100BaseT, U.K.
6211-I1-332	ADSL2+ CPE Router Annex B (Broadcom), 10/100BaseT, Euro

ADSL2+ Bridge/Router 4 Port Ethernet Switch

6212-A2-200	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, N.A.
6212-A2-300	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, U.K.
6212-A2-302	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, EURO
6212-A2-304	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, India
6212-A2-305	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, Australia
6212-A2-600	ADSL2+ CPE Router (TI), 4 Port Ethernet Switch, Japan

ADSL2+ Bridge/Router 802.11G WiFi plus 4 Port Ethernet Switch

6218-A1-200	ADSL2+ CPE Router (TI), 802.11G WiFi, N.A.
6218-A1-300	ADSL2+ CPE Router (TI), 802.11G WiFi, U.K.
6218-A1-302	ADSL2+ CPE Router (TI), 802.11G WiFi, EURO
6218-A1-304	ADSL2+ CPE Router (TI), 802.11G WiFi, India
6218-A1-305	ADSL2+ CPE Router (TI), 802.11G WiFi, Australia
6218-A1-600	ADSL2+ CPE Router (TI), 802.11G WiFi, Japan

6200 ADSL2+ DSL CPE Family

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, RJ45 (1 on 6210/6211, 4 on 6212/6218)
- USB 1.1 (6210/6211 only)
- WiFi 802.11b/g (6218 only)

Standards Support

- RFC 1483/2684 Multiprotocol Encapsulation over ATM
- RFC 2364 PPP over ATM
- RFC 2516 PPP over Ethernet
- IPv4, TCP, UDP, ICMP, ARP, RARP, proxy-ARP
- RIPv1, RIPv2
- Static Routing
- DHCP Server/Client/Relay
- DNS Proxy
- UPNP
- Multicast: IGMP v1,v2 Snooping and Proxy
- IEE 802.1d transparent bridging
- Lookup table for IK MAC Address
- Security:
  - NAPT
  - Stateful Inspection Firewall
  - PPP with PAP/CHAP
  - 64/128/256-bit WEP Engine Encryption; PSK, TKIP; Shared Key Authentication
  - Broadcast Storm Protection
- ATM:
  - Up to 8 PVCs, UBR, CBR, VBR
  - OAM F5, F4 Loopbacks
- Wireless:
  - 802.11b/g (6218 only)
  - Transmit Power: 32mW (+15dBm)
  - Antenna Gain: 1.5dBi
  - Channels: 802.11b and 802.11g: 11 for North America, 13 for Europe (ETSI), 14 for Japan

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

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+
- Upstream speeds up to 2 Mbps

Regulatory Compliance

- UL
- CE
- FCC Part 68
- FCC Part 15
- TUV

Operating Requirements

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

ZHONE

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