

Prestige 791 Series

Next-Generation G.shdsl Bridge/Router



ZyXEL's Prestige 791 G.shdsl bridge/router is an innovative next-generation DSL solution designed for medium-sized businesses to access the Internet and remote office networks by providing a cost-effective high-speed alternative to leased-line services. The Prestige 791 series provides symmetric LAN-to-LAN and Internet access transmissions at selectable speeds of up to 2.3Mbps, and can be configured to either server or client mode for providing point-to-point connectivity between two sites.

Benefits

High-speed Internet Access

The scalable G.shdsl technology supports symmetrical, multi-rate data transmission speeds ranging from 72Kbps to 2.3Mbps, and is a cost-effective alternative to T1/E1 service. The flexibility of the Prestige 791 series makes it ideal for applications such as web hosting, video conferencing and two-way data traffic commonly needed in the business environment.

Plug-and-Play Connectivity

Pre-configured with a service provider's settings, the Prestige 791 series can be easily installed and will automatically function with a G.shdsl connection without any manual configuration.

Built-in PPPoE Feature

With ZyXEL's built-in PPPoE feature, the Prestige 791 series enables both the users and the service providers to make use of the existing PPP/PAP/CHAP based authentication and accounting infrastructure. The built-in PPPoE feature saves time by eliminating the need to install software.

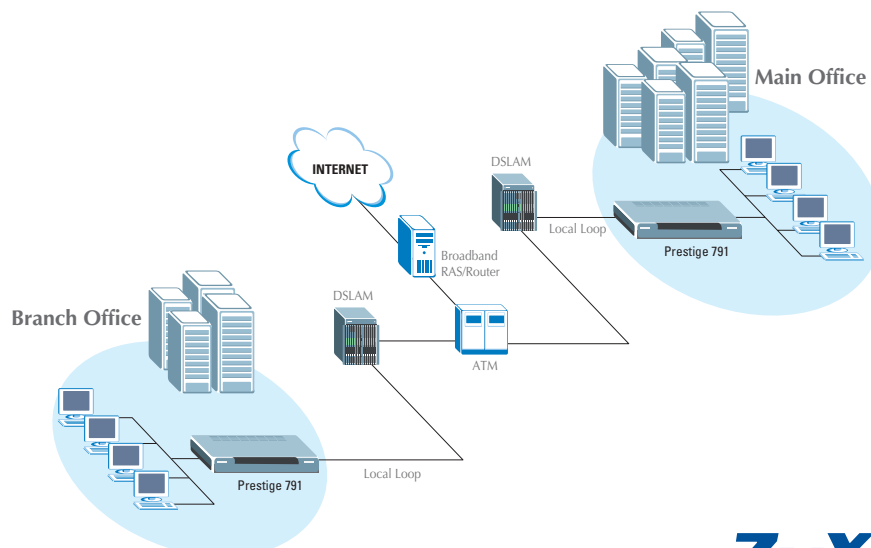
UPnP Support

The Prestige 791 series supports UPnP discovery and UPnP NAT traversal. By using the standard TCP/IP protocol, the Prestige 791 can dynamically join a network and obtain an IP address as well as convey its capabilities and learn about other devices on a network.

Dial Backup for Internet Access

In case of interruption in DSL service, the Dial Backup feature enables non-stop Internet access by automatically switching traffic to an external analog or ISDN modem.

Application Diagram



Features & Specifications

G.shdsl Compliance

- 2 wire ITU G.991.2 G.shdsl Standard
- Auto/Manual Rate Adaptation
- Configurable as either server or client mode
- Symmetrical speeds of up to 2.3 Mbps

ATM Support

- Multiple protocol over ATM AAL5 (MPOA, RFC1483)
- Support up to 12 VCs support
- Support UBR, CBR and VBR-nrt
- Virtual Circuit (VC) traffic shaping
- ATM Forum UNI 3.1/4.0 PVC
- OAM F4/F5 Loopback

PPP Support

- PPP (RFC 1661)
- PPP over AAL5 (RFC 2364)
- PPP over Ethernet (RFC2516)

IP Address Translation and Features

- NAT/SUA enables multiple workstations on the LAN to access the Internet for the cost of only one IP address
- NAT supports PAT (Port Address Translation) and multimedia applications such as NetMeeting, CuSeeMe, ICQ, Real Player, etc.
- IP Alias enables up to 3 virtual-LAN networks
- IP Policy Routing
- IGMP for IP Multicast

Routing Protocols (Router only)

- TCP/IP with RIP-1, RIP-2 and static routing support
- DHCP server and DHCP relay support
- Dynamic DNS

Bridging

- IEEE 802.1d transparent bridging
- Up to 128 MAC learning address

Management

- Web Configurator
- Menu-driven user interface for easy network management
- Administration via SNMP, Telnet or VT100 terminal
- TFTP and FTP for firmware upgrade, configuration backup and restore
- System performance and status monitoring
- SNMP MIB I/MIB II support

Security Features

- Packet Filtering
- Password Protected System Management Terminal
- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol) and Microsoft CHAP

Add-on Features

- Dial backup for Internet access
- UPnP

Physical Specifications

- Dimensions: 181(L) x 127(D) x 36.5(H) mm
- Weight: 309g

Physical Interfaces

- One RJ-11 port for G.shdsl connection
- One RJ-45 port for 10M/100M Ethernet LAN connection
- One serial port interface via RS232 for console management and dial back

Power Requirement

- AC input voltage: 100 to 120 VAC, 200 to 240 VAC
- Frequency ± 3 Hz
- Power consumption ≤ 10 w

Operating Environment

- Temperature: 0 ~ 40°C
- Humidity: 20 ~ 85% (non-condensing)

2-Year Warranty



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