

# ZyXEL



## Internet Access with Fast Symmetric Connection

- **G.SHDSL.bis Compliance**
- **Symmetric Data Rate of up to 5.69 Mbps**
- **Auto Fail-over and Fall-back WAN Backup Solution**
- **Web Based Configuration for Easy Deployment**



### Benefits

#### High Speed Symmetric Data Transmission

The P-791R v2 is a high performance SHDSL.bis router for small/medium office to have Internet access and LAN-to-LAN application over the existing copper line. The P-791R v2 makes full use of the advanced G.SHDSL.bis technology, its symmetric transmission data rate can be up to 5.69 Mbps.

#### UPnP Support

The P-791R v2 supports UPnP discovery and UPnP NAT traversal. By using the standard TCP/IP protocol, the P-791R v2 can dynamically join a network and obtain an IP address as well as convey its capabilities and learn about other devices on a network.

#### Auto Fail-over and Fall-back WAN Backup Solution

The P-791R v2 features a fail-over and fall-back WAN backup solution for complete reliability. When the DSL connection fails, traffic is forwarded to either a backup ISDN or analog modem to maintain data exchange. When the DSL connection is re-established, traffic will be fully restored. The P-791R v2 also performs backup functions by redirecting traffic to a specific gateway to ensure availability of the Internet connection. The WAN backup solution saves device maintenance cost and reduces loss from daily operation.

G.SHDSL.bis Router

P-791R v2



UPnP™

# ROUTER



## Specifications

### System Specifications

#### G.SHDSL Compliance

- ITU-T 991.2 G.SHDSL and G.SHDSL.bis
- Symmetric data transmission speed up to 5.69 Mbps
- Auto-negotiation rate adaptation and manually rate configuration
- Server/Client mode selectable

#### ATM Protocol

- ATM Forum UNI 3.1/4.0 PVC
- Support up to 8 PVCs
- RFC 1483/2684 Multiple Protocol over AAL5
- RFC 2364 PPP over AAL5
- RFC 2516 PPP over Ethernet
- LLC and VC Multiplexing
- ITU-T1.610 OAM F4/F5
- ATM QoS CBR, UBR, VBR-nrt

#### Firewall Security

- Packet Filtering
- User Authentication (PAP, CHAP) with PPP (RFC 1334, RFC 1994)
- Microsoft CHAP

#### Network Protocol

- IEEE 802.1d Transparent Bridging
- IP Routing: TCP, UDP, ICMP, ARP
- RIP v1 and RIP v2
- IP Multicast IGMP v1/v2

#### IP Management

- SUA/Multi-NAT Internet Sharing
- NAT server (Port forwarding)
- VPN (IPSec, PPTP) Pass-through
- SIP ALG Pass-through
- Multimedia Applications Support
- DHCP Server/Relay/Client
- DNS Proxy
- Dynamic DNS
- UPnP Support

#### Network Management

- Web-based Configuration
- FTP/TFTP for Firmware and Configuration Upgrade/Backup
- Telnet Management
- SNMP Support
- Built-in Diagnostic Tools

#### Advanced Features

- Dial Backup
- Traffic redirect

### Hardware Specifications

- DSL interface: RJ-11 Connector for G.SHDSL Connection
- LAN interface: One Ethernet port, 10/100M Auto MDI/MDIX
- Reset Button
- Console/Aux: RJ-45 Connector for Local Management and Dial Backup
- Status LED Indicator: POWER, ETHERNET, CON/AUX, DSL, INTERNET
- Power: 9 V AC

### Physical Specifications

- Dimensions: 180 (W) x 127 (D) x 36 (H) mm
- Weight: 286.5 g

### Environmental Specifications

#### Operation Environment

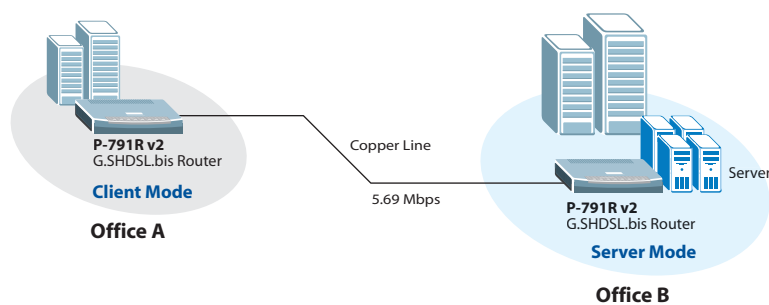
- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 85%

#### Storage Environment

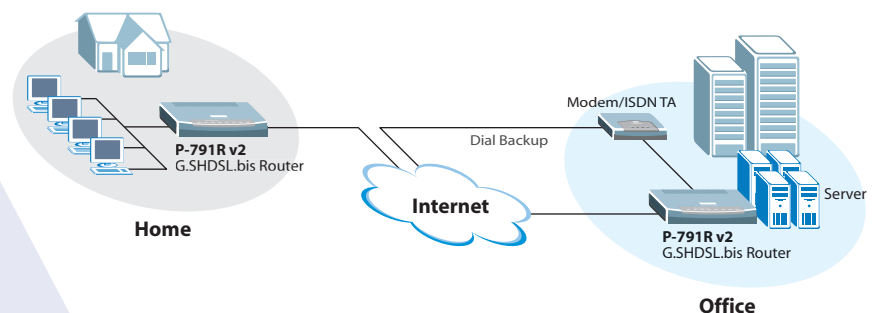
- Temperature: -20°C ~ 60°C
- Humidity: 20% ~ 90%

## Application Diagram

### Back to Back Application



### Broadband Internet Access



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)