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

ZyXEL

G.SHDSL.bis Router
P-791R v2

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: 12V 1A

Physical Specifications
• Dimensions: 180 (W) x 127 (D) x 36 (H) mm
• Weight: 286.5 g
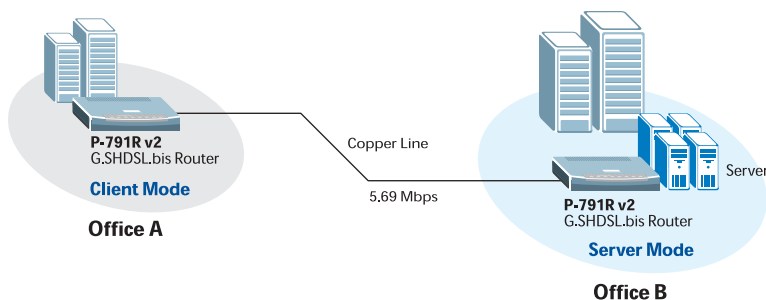
Environmental Specifications
Operation Environment
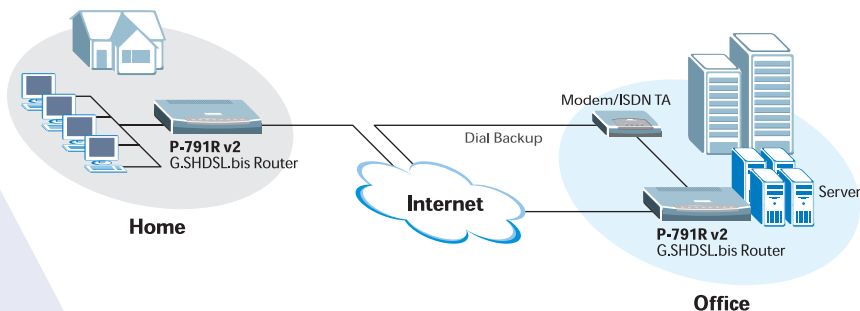• Temperature: 0C ~ 40C
• Humidity: 20% ~ 85%

Storage Environment
• Temperature: -20C ~ 60C
• Humidity: 20% ~ 90%

Application Diagram

Back to Back Application

P-791R v2
G.SHDSL.bis Router
Client Mode
Office A

Copper Line
5.69 Mbps

Server

P-791R v2
G.SHDSL.bis Router
Server Mode
Office B

Broadband Internet Access

P-791R v2
G.SHDSL.bis Router
Home

Internet

Modem/ISDN TA
Dial Backup

Server

P-791R v2
G.SHDSL.bis Router
Office

For more product information, visit us on the web www.ZyXEL.com

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