

ZyXEL



Secure Internet Access with Fast Symmetric Connection

- Symmetric Data Rates of up to 11.38Mbps
- 2-wire/4-wire Mode Selectable
- TR-069 (HTTP) for Easy Deployment
- Robust, State-of-the-Art Firewall Security
- Media Bandwidth Management (MBM) QoS

Benefits

High Speed Symmetric Data Transmission

The P-793H is a high performance G.SHDSL Gateway providing Internet access and LAN-to-LAN application over existing copper line for small/medium office. The P-793H makes full use of the advanced G.SHDSL.bis technology to offer data transmission rates of up to 5.69Mbps in 2-wire mode. In 4-wire mode, you can get up to twice the transmission speed at 11.38Mbps.

Robust Firewall Security and IPSec VPN Support

The ICSA-certified ZyNOS ensures state-of-the-art firewall performance and robust security from the P-793H. Based on Stateful Packet Inspection (SPI), Denial of Service (DoS) and DDoS features, it provides the first line of defense against hackers, network intruders, and other malicious threats. Furthermore, its VPN feature supports data encryption over the Internet to ensure secure data transmission between two sites. VPNs can be used to replace a private leased line, allowing global interconnectivity with minimal expense.

Media Bandwidth Management (MBM) QoS

The P-793H enables network administrators to allocate network resources to guarantee Quality of Service (QoS). The Media Bandwidth Management (MBM) function prioritizes services, and increases productivity and efficiency in daily operations by tailoring bandwidth allocation to specific demands such as VoIP, video streaming, video-conferencing or interactive game applications.

Auto Fail-over and Fall-back WAN Backup Solution

The P-793H features a Fail-over and Fail-back WAN Backup Solution for complete network reliability. When the DSL connection fails, traffic is forwarded to either the backup ISDN or analog modem to maintain smooth data transmission. When the DSL connection is re-established, network traffic through the P-793H will resume again. The P-793H can also redirect traffic to a specific gateway to ensure availability of Internet connection. The WAN Backup Solution saves device maintenance cost and reduces business loss from unexpected network disruptions.

G.SHDSL.bis 4-port Security Gateway

P-793H



ROUTER

Specifications

G.SHDSL Compliance

- ITU-T 991.2 G.SHDSL and G.SHDSL.bis Standard
- Symmetric data transmission speed up to 5.69 Mbps (2-wire mode) or 11.38 Mbps (4-wire mode)
- 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
- ATM QoS CBR, UBR, VBR

Firewall Security

- Stateful Packet Inspection
- Prevent DoS and DDoS Attacks
- Policy-based Access Control
- Content Filtering
- Packet Filtering
- Real-time Attack Alert and Logs

Virtual Private Network

- 10 IPsec VPN Tunnels
- IKE and Manual Key Management
- AH and ESP Protocol
- DES, 3DES and AES Encryption
- SHA-1 and MD5 Authentication
- Tunnel and Transport Mode Encapsulation

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
- VPN (IPsec, PPTP) 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
- Media Bandwidth Management
- Port-based VLAN
- Port-based QoS

Hardware Specifications

- DSL interface: RJ-11 Connector for G.SHDSL Connection
- LAN interface: 4-port Switch, 10/100M Auto MDI/MDIX
- Reset Button: Yes
- Console/Aux:
 - DB-9F RS-232 Cable for Local Management
 - DB-9M RS-232 Cable for Dial Backup
- Status LED Indicator: POWER, ETHERNET, DSL, INTERNET
- Power: 12V AC

Physical Specifications

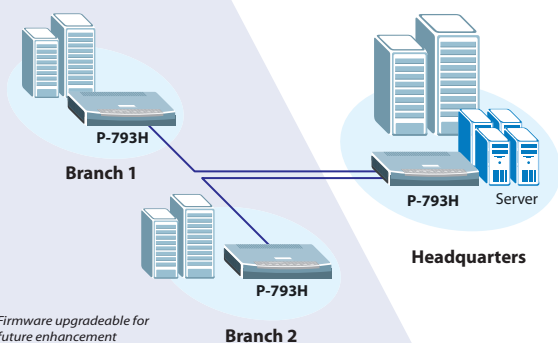
- Dimensions: 178 (W) x 125 (D) x 31 (H) mm
- Weight: 345 g

Environmental Specifications

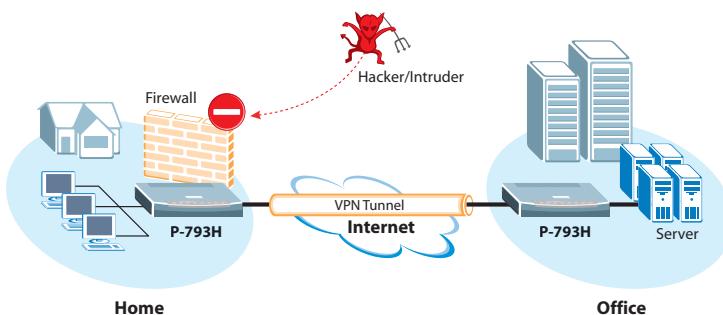
- Operation Environment:
 - Temperature: 0°C ~ 40°C
 - Humidity: 20% ~ 85%
- Storage Environment:
 - Temperature: -20°C ~ 60°C
 - Humidity: 20% ~ 90%

Application Diagram

Multi-remote node application*



Broadband Internet Access



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

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