Prestige 792H
G.SHDSL 4-port Security Gateway

ZyXEL's Prestige 792H G.SHDSL 4-port Security Gateway is a cost-effective DSL solution designed for medium-sized businesses to access the Internet or remote office networks. It integrates a high-speed DSL port, 4-port 10/100Mbps auto MDI/MDIX Ethernet switch and Dial-Backup port to ensure availability of the Internet. Adopting G.SHDSL technologies, the Prestige 792H provides an ideal high-speed alternative to leased-line services by providing symmetric LAN-to-LAN and Internet access transmissions at selectable speeds of up to 2.3Mbps. It can also be configured as either server or client mode to provide point-to-point connectivity between two sites.

The Prestige 792H is also a security gateway, which protects networks by providing robust Firewall security features and standard IPSec Virtual Private Network tunneling. Additional features such as auto fail-over/fall-back Dial Backup, Traffic Redirect, and Media Bandwidth Management will maximize performance while minimizing operation and maintenance cost.

Benefits

Higher-speed Internet Access

The scalable G.SHDSL technology supports symmetrical multi-rate data transmission speeds of 72Kbps to 2.3Mbps. It is a cost-effective solution for migration from T1/E1 service. G.SHDSL technology is ideal for applications such as web hosting, video conferencing and the two-way data traffic needs common to businesses.

Robust Firewall Security

The ICSA certified ZyNOS operating system ensures state-of-the-art Firewall performance and robust security from the Prestige 792H. Based on Stateful Packet Inspection and Denial of Service (DoS), it provides the first line of defense against hackers, network intruders, and other hazardous threats.

VPN (Virtual Private Network) Support

The Prestige 792H supports standard IPSec VPN, suitable for site-to-site and remote access deployment. Data encryption over the Internet ensures secure data transmission between two sites and can be used to replace a private leased line or frame relay network; global interconnectivity can be achieved at a minimal expense.

Auto Fail-over and Fail-back WAN Backup Solution

The Prestige 792H supports fail-over and fail-back WAN Backup Solution by forwarding traffic to either a backup ISDN or analog modem in the event of DSL connection failure. When the DSL connection is re-established, traffic returns. The Prestige 792H also performs backup functions by redirecting traffic to a specific gateway to ensure availability of the Internet. The WAN Backup Solution saves device maintenance cost and minimizes daily operation loss.

Effective Media Bandwidth Management (MBM)

The Prestige 792H enables network administrators to allocate network resources while guaranteeing Quality of Service (QoS). The MBM (Media Bandwidth Management) function prioritizes media services, increasing productivity and efficiency in daily operation by tailoring a system to specific demands such as VoIP, video streaming, videoconferencing and MP3 applications.

MBM Firewall VPN Dial Backup Web-based Configuration

ZyXEL
Unleash Networking Power

Features

G.SHDSL Compliance
- 2-wire ITU G.991.2 G.shdsl standard
- Auto/manual rate adaption from 72Kbps to 2.3Mbps
- Server/Client mode selectable

ATM Protocol
- ATM Forum UNI3.1/4.0
- 12 PVCs Support
- RFC 1483/2684 Multiple Protocol over AAL5
- RFC 2364 PPP over AAL5
- RFC 2516 PPP over Ethernet
- LLC and VC Multiplexing
- ATM QoS UBR, CBR, VBR-nrt
- ITU-T I.610 OAM F4/F5

Firewall Security
- Stateful Packet Inspection
- Prevent Denial of Service Attack
- Policy-based Access Control

- Content Filtering
- Packet Filtering
- Real-time Attack Alert and Logs

Virtual Private Network (VPN)
- 10 IPSec VPN Tunnels
- IKE and Manual Key Management
- AH and ESP Protocol
- DES and 3DES Encryption
- SHA-1 and MD5 Authentication
- Tunnel and Transport Mode Encapsulation

Network Protocol
- IEEE 802.1d Transparent Bridging
- IP Routing: TCP, UDP, ICMP, ARP
- RIP1v1 and RIPv2
- IP Multicast IGMP v1/v2

IP Management
- SUA/Multi-NAT Internet Sharing
- PPTP/L2TP/IPSec VPN Pass-through
- Multimedia Applications Support

- DHCP Server/Relay/Client
- DNS Proxy
- Dynamic DNS
- UPnP Support

Network Management
- Web based Configurator
- 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 support*

* For future release

Specifications

Hardware Specification
- DSL: One RJ-11 Port
- 4-Port Switch,10/100M Auto MDI/MDIX
- Console/AUX port for local management and dial backup
- Reset Button

- Status LEDs Indicator
- Power: 12V AC Input
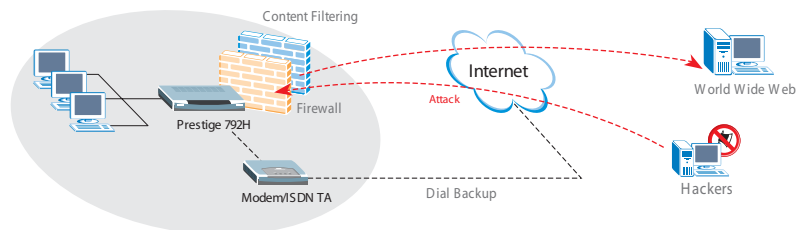
Physical Specification
- Dimensions: 181(L) x 127(D) x 36.5(H) mm
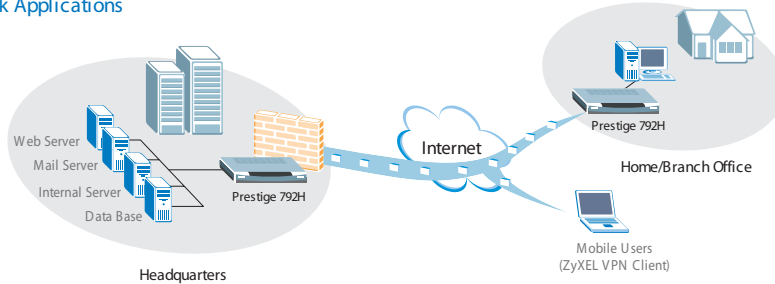- Weight: 319g

Operating Environment
- Temperature: 0 ~ 40ºC
- Humidity: 20 ~ 85% (non-condensing)
- Warranty: Two years

Application Diagram

Broadband Internet Access

Content Filtering
Prestige 792H
Firewall
Modem/ISDN TA
Dial Backup
Internet
Attack
World Wide Web
Hackers

Back to Back Applications

Web Server
Mail Server
Internal Server
Data Base
Prestige 792H
Headquarters
Internet
Prestige 792H
Home/Branch Office
Mobile Users
(ZyXEL VPN Client)