

Prestige 652H/HW Series

ADSL Security Gateway with Wireless Ready



- Models:**
- Prestige 652H ADSL Security Gateway with 4-port Switch over POTS
 - Prestige 652H ADSL Security Gateway with 4-port Switch over ISDN/U-R2
 - Prestige 652HW ADSL Security Gateway with Wireless Ready/4-port Switch over POTS
 - Prestige 652HW ADSL Security Gateway with Wireless Ready/4-port Switch over ISDN/U-R2

ZyXEL's Prestige 652H/HW ADSL security gateway is a powerful, all-in-one DSL device for SOHO and SMB applications as well as enterprise branch offices. The security gateway integrates a high-speed ADSL port, 4-port 10/100Mbps auto MDI/MDIX Ethernet switch and an optional wireless access point (Prestige 652HW only).

The Prestige 652H/HW provides superior Firewall/VPN network protection, while simultaneously offering the flexibility and freedom of wireless access. The Prestige 652H/HW protects networks from network intrusions by providing robust Firewall security features and standard IPSec Virtual Private Network tunneling.

Additional features such as auto fail-over/fail-back Dial Backup, Traffic Redirect, and IP layer QoS Bandwidth Management, maximize performance while minimizing operation and maintenance costs. Management is further simplified with an intuitive Multilingual (English, German, French) Web-based configurator and administrator wizards.

Scalable, secure, and easy-to-use, ZyXEL's Prestige 652H/HW is the ideal secure broadband solution to meet today's business needs.

Benefits

High-speed Internet Access

The Prestige 652H/HW is capable of supporting downstream transmission rates of up to 8Mbps and upstream rates of up to 832 Kbps. Rate adaptation is also supported, which allows ADSL subscribers to select an Internet access speed that best suits their needs and budgets.

Robust, State-of-the-Art Firewall Security

The ICSA certified ZyNOS operating system ensures state-of-the-art Firewall performance and robust security from the Prestige 652H/HW. 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 652H/HW supports standard IPSec VPN, suitable for site-to-site and remote access deployment. Data encryption over the Internet ensures secure transmission of data between two sites, and can be used to replace a private leased line or frame relay network, allowing global interconnectivity at a minimal expense. The Prestige 652H/HW adopts ASIC DES accelerator which can enhance much VPN performance.

Mobile Network with Optional Wireless LAN (Prestige 652HW only)

A wireless LAN can be easily established by inserting a ZyXEL ZyAIR WLAN PCMCIA card into the Prestige 652HW. The capability of wireless expansion quickly extends the existing LAN and offers the advantage of mobility. Wireless connectivity is secured by standard features including WEP encryption, MAC filtering and IEEE 802.1x authentication.

Auto Fail-over and Fail-back WAN Backup Solution

The Prestige 652H/HW 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. It also performs backup functions by redirecting traffic to a specific gateway to ensure availability of the Internet. The WAN Backup Solution saves the cost of device maintenance, and daily operation losses.

Effective Network Bandwidth Management

The Prestige 652H/HW enables network administrators to allocate network resources while guaranteeing Quality of Service (QoS). Network Bandwidth Management increases productivity and efficiency by tailoring a system to specific demands such as time-sensitive VoIP applications.

Features & Specifications

ADSL Compliance

- Multi-Mode ADSL Standard
- RADSL (ANSI T1.413 Issue 2)
- G.dmt ADSL over POTS (G.992.1 Annex A)
- G.dmt ADSL over ISDN (G.992.1 Annex B and U-R2)
- G.lite (G.992.2)
- G.hs (G.994.1)
- Auto-negotiating Rate Adaptation

ATM Support

- 8 PVCs Support
- RFC 1483/2684 Multiple Protocol over AAL5
- RFC 2364 PPP over AAL5
- RFC 2516 PPP over Ethernet
- VC and LLC Multiplexing
- Traffic Shaping UBR, CBR, VBR-nrt
- ATM Forum UNI 3.1/ 4.0 PVC
- I.610 OAM F4/F5 loop-back, AIS, and RDI OAM cells

Firewall Security

- Stateful Packet Inspection
- Access Control of Service
- Content Filtering
- IP & Generic Packet Filtering
- Real-time Attack Alert and Logs
- DMZ Interface for Public Server*

Virtual Private Network

- 10 IPSec VPN Tunnels
- IKE and Manual Key Management
- AH and ESP Protocol

- DES and 3DES Encryption (ASIC DES Engine)
- SHA-1 and MD5 Authentication
- Tunnel and Transport Mode Encapsulation

Wireless (Optional)

- IEEE 802.11b Compliance
- 64/128 bits WEP Encryption
- MAC Address Filtering
- IEEE 802.1x Port-based Authentication
- RADIUS Support for 802.1x

Routing Support

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

Network Management

- Multilingual Web based Configurator (English/German/French)
- Command-line Interpreter (CLI)
- Telnet Remote Management
- SNMP Support
- FTP/TFTP firmware upgrade and configuration backup/restore
- Built-in Diagnostic Tool

Application

- Dial Backup
- Traffic Redirect
- IP QoS Bandwidth Management*
- Port based VLAN for Ethernet & WLAN*
- Call Scheduling
- Budget Management
- ZyXEL CNM Support*

Hardware Specification

- ADSL: One RJ-11 or RJ-45 Port
- LAN: 4-Port Switch, 10/100M Auto MDI/MDIX
- Wireless Ready Slot for WLAN Card Connection
- Console/AUX: RS-232 DB9 Port
- CON/AUX Switch
- Reset Button
- Status LEDs Indicator
- Power: 12V AC

Physical Specifications

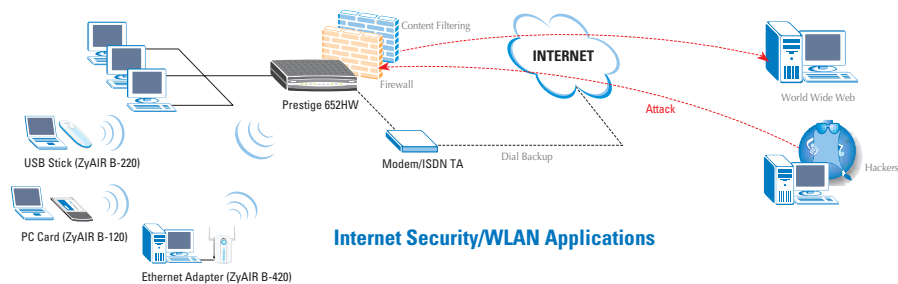
- Dimensions: 206(L) x 161(D) x 51(H) mm
- Weight: 572 g

Operating Environment

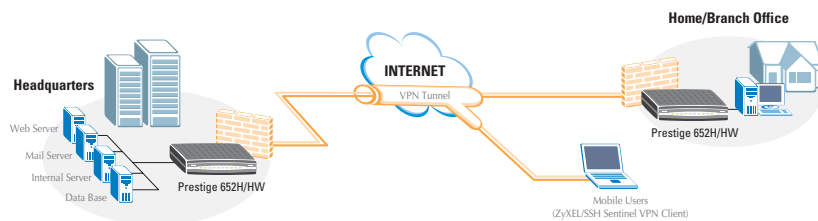
- Temperature: 0 ~ 40°C
- Humidity: 20 ~ 85 % (non-condensing)

* For further release

Application Diagram



Internet Security/WLAN Applications



Virtual Private Network Applications



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