

# Prestige 660H/HW Series

## 802.11g Wireless ADSL 2+ 4-port Gateway



### Models:

- Prestige 660H ADSL 2+ 4 Port Gateway over POTS
- Prestige 660H ADSL 2+ 4 Port Gateway over ISDN/U-R2
- Prestige 660HW 802.11g Wireless ADSL 2+ 4 Port Gateway over POTS
- Prestige 660HW 802.11g Wireless ADSL 2+ 4 Port Gateway over ISDN/U-R2

ZyXEL's Prestige 660H/HW series is an all-in-one ADSL gateway for Home and SOHO applications. The ADSL gateway integrates a high-speed ADSL2+ port, 4-port 10/100Mbps auto MDI/MDIX Ethernet switch and a 54Mbps IEEE 802.11g wireless connectivity (Prestige 660HW only).

The Prestige 660H/HW series provides SPI (Stateful Packet Inspection) and many Firewall security features to protect against network intrusion. Additional features such as Zero Configuration, Traffic Redirect, and MBM (Media Bandwidth Management), maximize performance while minimizing operation and maintenance costs. Management is further simplified with Web-based configuration and administrator wizards. High-performing, secure and easy to use, ZyXEL's Prestige 660H/HW is the best choice for Home and SOHO needs.

### Benefits

#### Higher-speed Internet Access

The Prestige 660H/HW series is capable of supporting high-speed ADSL, ADSL2 and ADSL2+ over existing copper lines. With speeds of up to 12Mbps (ADSL2) or 24Mbps (ADSL2+), the Prestige 660H/HW series offers higher data transfer rates and better bandwidth than traditional ADSL enabled gateways. The Prestige 660H/HW series also support RE ADSL (Reach Extended ADSL) for better performance at greater distance. The Prestige 660H/HW series offers the key link between today's communications services and tomorrow's converged services.

#### Higher-speed and Wider-range Wireless LAN Connectivity (Prestige 660HW only)

Compliance with 802.11g wireless standard allows for data transmission speeds of up to 54Mbps. With 802.11g+ wireless technology, the Prestige 660HW series delivers wireless transmission rates of up to 100 Mbps when used with ZyXEL's ZyAIR G-160 Wireless PC Card. The Prestige 660HW series easily extends a wired network for mobility and flexibility.

#### 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 660H/HW series. Based on Stateful Packet Inspection, DoS (Denial of Service) and DDoS, it provides the first line of defense against hackers, network intruders, and other hazardous threats.

#### Media Bandwidth Management (MBM)

The Prestige 660H/HW series 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, video-conferencing and MP3 applications.

#### Zero Configuration

The Prestige 660H/HW's Zero Configuration technology allows users to hook up a DSL connection without hassle. The user-friendly design, which is embedded in the gateway, is OS independent and supports all kinds of operating systems in the host PC.



### Features

#### ADSL Compliant

- RADSLS (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)
- ADSL2 G.dmt.bis (G.992.3)\*
- ADSL2 G.lite.bis (G.992.4)\*
- ADSL2+ (G.992.5)\*
- Reach Extended ADSL (RE ADSL)\*

#### 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
- TR-37, TR-62 DSL Auto Configuration\*

#### Firewall Security

- Stateful Packet Inspection
- Prevent DoS, DDoS Attack
- Policy based Access Control
- Content Filtering
- IP & Generic Packet Filtering
- Real-time Attack Alert and Logs

#### Wireless (Prestige 660HW only)

- 802.11g Compliance
- 802.11g+ 100Mbps Accelerator\*
- Comply with 802.11b+ 22Mbps
- 64/128/256 bits WEP Encryption
- Dynamic WEP Key
- MAC Address Filtering
- WPA, WPA-PSK/TKIP
- 802.1X Authentication with RADIUS Client

#### Routing Support

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

#### IP Management

- SUA/Multi-NAT Internet Sharing
- Multimedia Support
- VPN (IPSec, PPTP, L2TP) Pass-through
- DHCP Server/Relay/Client
- DNS Proxy
- Dynamic DNS
- UPnP Support

#### Network Management

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

#### Application

- Traffic Redirect
- MBM (Media Bandwidth Management) QoS
- Zero Configuration
- Call Scheduling
- Budget Management

\* For future release

### Specifications

#### Hardware Specification

- ADSL: One RJ-11 or RJ-45 Port
- LAN: 4-Port Switch, 10/100M Auto MDI/MDIX
- Antenna: 2dbi
- Reset Button

- Status LEDs Indicator
- Power: 12V DC

#### Physical Specification

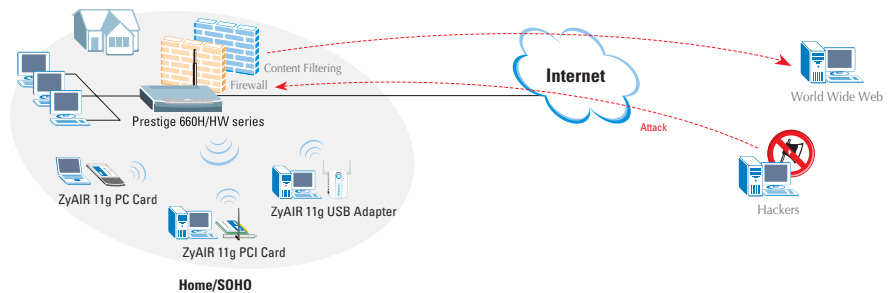
- Dimensions: 180(L) x 128(D) x 36(H) mm
- Weight: 350g

#### Operating Environment

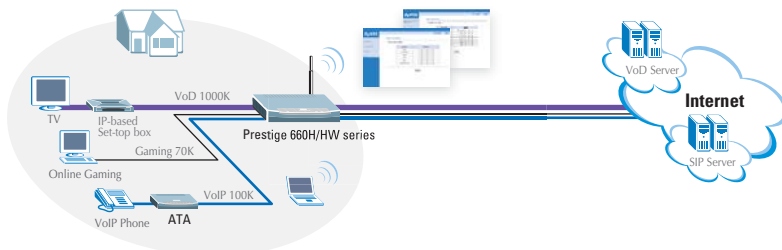
- Temperature: 0 ~ 40°C
- Humidity: 20 ~ 85% (non-condensing)

### Application Diagram

#### Internet Security/WLAN Applications



#### Media Bandwidth Management



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This product is designed for the 2.4GHz WLAN network throughout the EC region

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