

Prestige 650H-E Series

New-Generation ADSL Router/Modem



Models:

- Prestige 650H-E ADSL Router over POTS
- Prestige 650H-E ADSL Router over ISDN
- Prestige 650H-E ADSL Router over ISDN U-R2

The new ZyXEL Prestige 650H-E series is an ideal solution for SOHO users who require super-fast Internet access, or LAN-to-LAN connections over existing copper wires. The Prestige 650H-E series, an ADSL-based router with an integrated 4-port 10/100 Mbps switch, provides maximum speeds of up to 8Mbps for 4 computers without the extra cost of a hub or switch.

Benefits

An Instant LAN with an Integrated 10/100Mbps Switch

The combination of a switch and router makes the Prestige 650H-E series more efficient and less expensive than having to purchase separate boxes. The built-in switch provides each connection with dedicated 10/100 Mbps bandwidth that greatly increases throughput for bandwidth-consuming applications. This is an enhancement over external switches or a hub where bandwidth would be shared inefficiently by all of the stations. The industry-standard HP Auto MDI/MDIX feature enables the on-chip transceivers to automatically and transparently detect and correct incorrectly wired cables. This makes installation, debugging, and network maintenance substantially easier and less expensive for the end users.

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 650H-E series. 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.

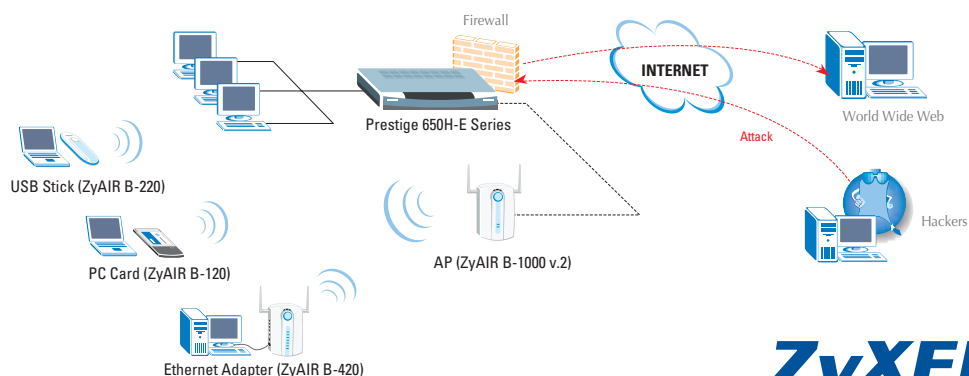
Powerful Multi-to-Multi NAT and Routing Features for Internet Access Sharing

The multimedia-aware NAT (Network Address Translation) feature not only allows an unlimited number of users to access the Internet with a single ISP account, but it also supports multimedia applications such as NetMeeting, CUSeeMe, IRC, RealPlayer and ICQ. With PPP routing and robust security features, the Prestige 650HW series connects your computers to the Internet while protecting your local network.

Ease of Use and Management

The Multi-lingual Web-based Graphical User Interface (GUI) facilitates easy installation and effortless management of the Prestige 650H-E series whether locally or remotely. With the built-in DHCP server, which automatically assigns and configures IP parameters to the computers on your LAN, Internet connections truly become plug-and-play.

Application Diagram



Features & Specifications

ADSL Compliance

- Multi-Mode ADSL Standard
- RADSL (DMT T1.413 Issue 2)
- G.dmt (ITU G.992.1)
- G.lite (ITU G.992.2)
- G.hs (ITU G.994.1)
- Support ETSI DTS/TM-06006 ISDN overlay mode and G.dmt (ITU G.992.1) mode (for ADSL over ISDN/U-R2)
- Auto-negotiating rate adaptation

ATM Protocols

- ADSL physical layer support ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 1483)
- VC and LLC based multiplexing
- ATM Forum UNI3.1/4.0 PVC
- Support up to 8 VCs (Virtual Circuit) AAL5 PVC-UBR/CBR/VBR-nrt
- OAM F4/F5

PPP Support

- PPP (RFC 1661)
- PPP over AAL5 (RFC 2364)
- PPP over Ethernet (PPPoE, RFC 2516)
- PPP PAP (RFC 1334)
- PPP CHAP (RFC 1994)

Bridging

- IEEE 802.1d transparent bridging
- Up to 128 MAC learning addresses

Application

- SUA (Single User Account)
- NAT (Network Address Translation)
- NAT supports PAT (Port Address Translation) and Multimedia Application, ie NetMeeting, ICQ, CuSeeMe, etc.
- UPnP

Routing Protocols

- IP Routing -RIP1, RIP2 and static route
- IP Alias
- DHCP server, DHCP client and DHCP relay
- Dynamic DNS
- IP Policy Routing
- IGMP for IP multicast
- Multi-to-Multi NAT

Management

- Menu-driven user interface for text-based management
- Multilingual Web-based configuration
- Text-based management that can be configured locally and remotely via telnet.
- TFTP (Trivial File Transfer Protocol), FTP and Telnet for Transferring firmware and configuration files
- SNMP MIB Supported

Firewall

- Stateful Packet Inspection
- Prevent Denial of Service
- Access Control of service
- Packet Filtering
- Real-time Attack Alert and logs

Security

- Packet Filtering for controlled access to and from your LAN
- Password-protected System Management Terminal
- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol) and Microsoft CHAP

Physical Specifications

Physical Requirement

- Dimensions: 181mm(L) x 127mm(D) x 36.5mm(H)
- Weight: 307g

Physical Interface

- One RJ-11 port for ADSL connection (for ADSL over POTs) or one RJ-45 port for ADSL connection (for ADSL over ISDN/U-R2)
- Four RJ-45 ports for Ethernet 10/100Mbps auto MDI/MDIX
- Power Switch
- Reset Button

Power Requirement

- AC input voltage: 100 to 120 VAC, 200 to 240 VAC
- Power consumption: 10W max

Operating Environment

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

Optional Parts

- Microfilter
- POTS Splitter

2-Year Warranty



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