

Prestige 650 Series

New-Generation ADSL Router/Modem



Models:

- Prestige 650R ADSL Router over POTS
- Prestige 650R ADSL Router over ISDN
- Prestige 650R ADSL Router over ISDN U-R2
- Prestige 650M ADSL Modem over POTS
- Prestige 650M ADSL Modem over ISDN
- Prestige 650M ADSL Modem over ISDN U-R2
- Prestige 650ME ADSL PPPoE Modem over POTS
- Prestige 650ME ADSL PPPoE Modem over ISDN

ADSL (Asymmetric Digital Subscriber Line) is one of the edge-cutting technologies for the provision of Broadband Internet Access and voice services simultaneously over the same copper line. With ZyXEL's latest edition of integrated CPE devices, users can take advantage of superior performance and access. The Prestige 650 series offers a manageable and reliable ADSL network solution to SOHO customers, while helping service providers to eliminate labor cost of technical support. The web-based configuration in ZyXEL's ADSL routers is user-friendly and simple. The asymmetrical nature of the product is suitable for the SOHO environment in which downstream traffic is typically much higher than upstream traffic. Users can now enjoy the multi-media and real time applications such as online gaming, video conferencing and other bandwidth-consuming services by subscribing to ADSL.

Benefits

Multiple-flavor ADSL Standard

The Prestige 650 series offers auto-sensing between Full-rate and G.Lite standards according to the Central office switch or DSLAM (Digital Subscriber Line Access Multiplier). A user can easily be upgraded from a G.Lite service to a full-rate service or vice versa without the cost of new ADSL modem or router.

Plug-and-Play Connectivity

Pre-configured with a service provider's settings, the Prestige 650 series can be installed automatically and works with an ADSL connection without any manual configuration.

Built-In PPPoE Feature

Incorporating ZyXEL's first-in-the-world PPPoE implementation, the Prestige 650 series enables both the users and the service providers to make use of the existing PPP/PAP/CHAP based authentication and accounting infrastructure. Built-in PPPoE features save time by eliminating the need to install software.

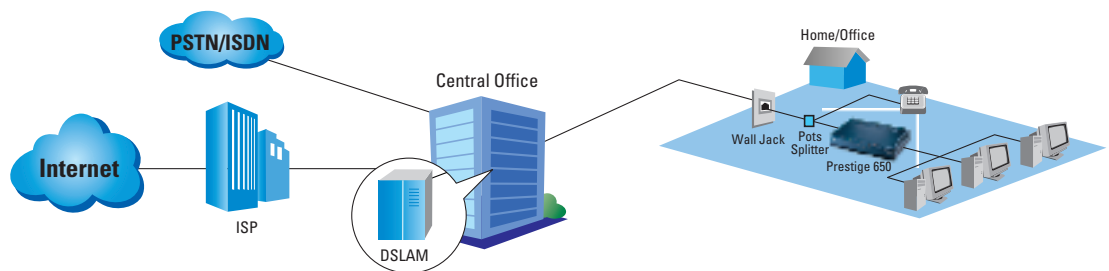
UPnP Support

The Prestige 650 Series supports UPnP discovery and UPnP NAT traversal.

Ease of Use and Management

The Prestige 650's SMT (System Management Terminal,) and the web-based configurator make configuration easy for the users while saving time and technical support for the service providers.

Internet Access Application



Features

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
- Support Dying Gasp

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 (For Prestige 650R and Prestige 650M)
- Support up to 1 VCs (Virtual Circuit) AAL5 PVC-UBR/CBR/VBR-nrt (For Prestige 650ME)
- OAM F4/F5

PPP Support

- PPP (RFC 1661)
- PPP over AAL5 (RFC 2364)
- PPP over Ethernet (PPPoE, RFC 2516) (For Prestige 650R and Prestige 650ME)
- PPP PAP (RFC 1334)
- PPP CHAP (RFC 1994)

Bridging

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

Application

(For Prestige 650R and Prestige 650ME)

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

Routing Protocols

(For Prestige 650R and Prestige 650ME)

- IP Routing -RIP1, RIP2 and static route
- IP Alias
- DHCP server, DHCP client and DHCP relay
- Dynamic DNS
- IP Policy Routing (Prestige 650R Only)
- IGMP for IP multicast (Prestige 650R Only)
- Multi-to-Multi NAT

Management

- Menu-driven user interface for text-based management
- 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 Support

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

- Dimension: 181mm(L) x 127mm(D) x 36.5mm(H)
- Weight: 315g

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)
- One RJ-45 port for 10/100Mbps auto-sensing
- Ethernet LAN connection
- One PS2 console port (optional)
- Power Switch
- Reset Button

Power Requirement

- AC input voltage: 100 to 120 VAC, 200 to 240 VAC
- Power consumption: 8W max

Operating Environment

- Temperature: 5 ~ 40°C
- Humidity: 20 ~ 95% (non-condensing)

Optional Parts

- Microfilter
- POTS Splitter

2-Year Warranty

Approval

- UL 1950 3rd Ed., FCC Part 15 class B, FCC part 68, CE Mark, EN 60950, IEC 60950, CSA 950.

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TOTAL INTERNET ACCESS SOLUTION



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