

ZyXEL

P-660HW-Tx v3 SERIES

802.11g Wireless
ADSL2+ 4-port Gateway



- **ADSL 2+ High-Speed Internet Access**
- **WPS Button for Quick and Easy Wireless Security Setup**
- **Firewall with Stateful Packet Inspection (SPI) and Denial of Service (DoS) Prevention**
- **UPnP Support**



Ultra High-Speed Wireless ADSL2+ Gateway for SOHO Networks

Benefits

High-Speed Internet Access

With speeds of up to 12 Mbps (ADSL2) or 24 Mbps (ADSL2+), ZyXEL P-660HW-Tx v3 Series offers higher data transfer rates and better bandwidth than traditional ADSL gateways. Users can enjoy not only high-speed ADSL services, but also broadband multimedia applications such as interactive gaming, video streaming, and real-time audio much easier than before.

Quick and easy wireless security setup

The P-660HW-Tx v3 Series with WPS button gives users a standardized way to more easily set up a security-enabled Wi-Fi network in home and small office environments; it supports methods (pushing a button or entering a PIN into a wizard-type application) that are familiar to most users to configure a network and to enable security features.

Enhanced Security Features Forms Robust Protection

Based on Stateful Packet Inspection (SPI), DoS (Denial of Service) and DDoS features, the P-660HW-Tx v3 Series provides the first-line defense against hackers, network intruders and other malicious threats.

UPnP Support

The P-660HW-Tx v3 Series makes connecting PCs of all form factors and intelligent home and office appliances easier and even automatic by leveraging the latest TCP/IP and Web technologies.

Specifications

System Specifications

ADSL Compliance

- Support Multi-Mode standard (ANSI T1.413, Issue 2; G.dmt (G.992.1); G.lite (G992.2))
- EOC specified in ITU-T G.992.1
- ADSL2 G.dmt.bis (G.992.3)
- ADSL2 G.lite.bis (G.992.4)
- ADSL2+ (G.992.5)
- Extended-Reach ADSL (ER ADSL)
- SRA (Seamless Rate Adaptation)
- Auto-negotiating rate adaptation
- ADSL physical connection ATM AAL5 (ATM Adaptation Layer type 5)
- Support multi-protocol over AAL5 (RFC2684/1483)
- Support PPP over ATM AAL5 (RFC2364)
- PPP over Ethernet support for DSL connection (RFC 2516)
- Support VC-based and LLC-based multiplexing
- Support up to 8 PVCs
- I.610 F4/F5 OAM
- TR-100 supported

Wireless LAN Configuration

- IEEE 802.11g compliance
- Frequency range: 2.4 GHz
- Advanced Orthogonal Frequency Division Multiplexing (OFDM)
- Data rates: 54 Mbps and auto fallback
- Wired Equivalent Privacy (WEP) data encryption 64/128
- WLAN bridge to LAN
- 32 MAC address filter
- WPA, WPA-PSK
- WPA2, WPA2-PSK
- WPS button on the rear panel

Firewall

- DoS
- Protocol and generic packet filter
- Stateful inspection
- Access Control List (ACL) between LAN, WAN
- Real time alert via e-mail
- Report and logs
- 20 ACL rules

NAT

- Multi-NAT & Port Address Translation (PAT)
- 2048 NAT session
- Multimedia applications support (NetMeeting, CuSeeMe, ICQ, ... etc)
- Microsoft PPTP under NAT/SUA
- Multiple VPN (IPSec/PPTP/L2TP) pass-through
- NAT loopback
- 12 NAT port forwarding

Protocol Support

- SIP pass-through
- DNS Proxy
- Dynamic DNS (www.dyndns.org)
- IP alias
- DHCP client/server/relay
- RIP I/ RIP II supported
- Support 16 IP static routes by gateway
- IGMP v1 and v2
- IP policy routing
- UPnP support
- Transparent bridging, VLAN-tagging pass-through bridge mode
- Static DHCP
- Triple play

Management

- Embedded web configurator
- SNMP v1 & v2c with MIB II
- Embedded FTP/TFTP server for f/w upgrade and romfile backup and restore

Bandwidth Management

- Remote Management Control: Telnet, FTP, and Web
- TR-069 HTTPS
- MTU adjustable on WebGUI

Other Features

- SPTGEN
- Traffic redirect
- Support IGMP proxy
- MAP (support Vista)

Hardware Specifications

- ADSL port: RJ-11 connector for POTS; RJ-45 connector for ISDN/U-R2
- Ethernet port: 4-port switch, 10/100M auto MDI/MDIX
- Power input: 12 V DC 1A
- Power switch button
- Reset button
- WPS and WLAN ON/OFF hardware button (coexisting)
- 3 dbi fixed antennas
- Power consumption: 8 W

Physical Specifications

- Item dimensions: 181 (W) x 128 (D) x 37 (H) mm (7.12 (W) x 5.04 (D) x 1.46 (H) inch)
- Item weight: 285 g (0.63 lb)

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -20°C ~ 60°C
- Operating humidity: 20% ~ 90% RH (non-condensing)
- Storage humidity: 20% ~ 90% RH (non-condensing)

Certification

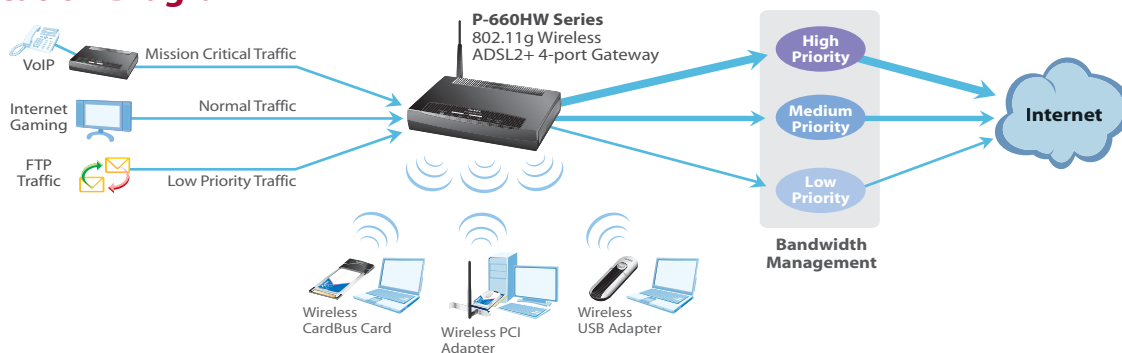
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Product Description

P-660HW-T1 v3 802.11g Wireless ADSL2+ 4-port Gateway over POTS

P-660HW-T3 v3 802.11g Wireless ADSL2+ 4-port Gateway over ISDN/U-R2

Application Diagram



For more product information, visit us on the web at www.ZyXEL.com

