

ZyXEL

Cost-effective Ultra High-Speed ADSL 2+ Gateway for SOHO Networks



- **ADSL 2+ High Speed Internet Access**
- **Media Bandwidth Management QoS**
- **Multimedia Auto Provisioner**
- **Robust SPI Firewall Protection**
- **High Speed Wireless 802.11g 54Mbps, 5x Faster than 802.11b (P-660HW only)**

Benefits

Higher Speed Internet Access

ZyXEL P-660H/HW series is an all-in-one affordable router, compatible with high-speed ADSL, ADSL 2 and ADSL 2+ interfaces over existing copper lines. With speed up to 12Mbps (ADSL 2) or 24Mbps (ADSL 2+), the P-660H/HW series offers higher data transfer rates and better bandwidth than traditional ADSL gateways. It also supports RE ADSL (Reach-Extended ADSL) for higher speed and longer distance. With excellent performance and upward compatibility, the P-660H/HW series is great as the bridge between today's communications needs and tomorrow's converged services.

Robust Firewall Security

The ICSA-certified ZyNOS operating system ensures state-of-art firewall performance and robust security from the P-660H/HW series. Based on Stateful Packet Inspection, DoS (Denial of Service) and DDoS features, it provides the first line defense against hackers, network intruders, and other harmful threats.

Media Bandwidth Management

The P-660H/HW series enables network administrators to allocate network resources and to guarantee Quality of Service (QoS). The MBM (Media Bandwidth Management) function prioritizes media services, and increases productivity and efficiency in daily operations by tailoring a system to specific demands such as VoIP, video streaming, video-conferencing or MP3 applications.

Higher Speed and Wider Range Wireless LAN Connectivity (P-660HW only)

Compliance with the 802.11g wireless standard allows the P-660HW series to reach data transmission speeds of up to 54Mbps.

ADSL 2+ 4-port Gateway

P-660H/HW
SERIES



GATEWAY



ADSL 2+ 4-port Gateway
P-660H/HW
SERIES

Specifications

ADSL Compliance

- ANSI T1.413 Issue 2
- ITU G.992.1 G.dmt
- ITU G.992.2 G.lite
- ITU G.994.1 G.hs
- ITU ADSL 2 G.992.3, G.992.4
- ITU ADSL 2+ G.992.5
- Reach-Extended ADSL (RE ADSL)

ATM Support

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

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

Routing Support

- IEEE 802.1d Transparent Bridging
- IP Routing: TCP, UDP, ICMP, ARP
- RIPv1 and RIPv2
- IP Multicast IGMP v1/v2
- IP Policy Route

IP Management

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

Network Management

- Web-based Configuration
- Telnet Remote Management
- FTP/TFTP for Firmware Upgrade and Romfile Backup and Restore
- SNMP Support
- Built-in Diagnostic Tool

WLAN Features (P-660HW only)

- 802.11g Compliance Speed Up to 54Mbps
- Comply with 802.11b
- 64/128/256 Bits WEP Encryption
- Dynamic WEP Key
- 802.1x Port-based Authentication

- WPA (Wi-Fi Protected Access), WPA2
- WPA-PSK, TKIP
- External RADIUS Server Support
- MAC Address Filtering

Advanced Features

- Zero Configuration
- Traffic Redirect
- Multimedia Service Routing Technology (MSRT)
- Media Bandwidth Management (MBM)
- Multimedia Auto Provisioner
- One Touch Intelligent Security Technology (OTIST)* (P-660HW only)

Hardware Specification

- ADSL: One RJ-11 or RJ-45 Port
- LAN: 4-port Switch, 10/100M Auto MDI/MDIX
- Reset Button
- Status LEDs Indicator
- Power 12V AC
- Fixed Antenna (2dBi)(P-660HW only)

Physical Specification

- Dimensions: 180(W) x 128(D) x 36(H) mm
- Weight: 325 g

Operating Environment

- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 85%

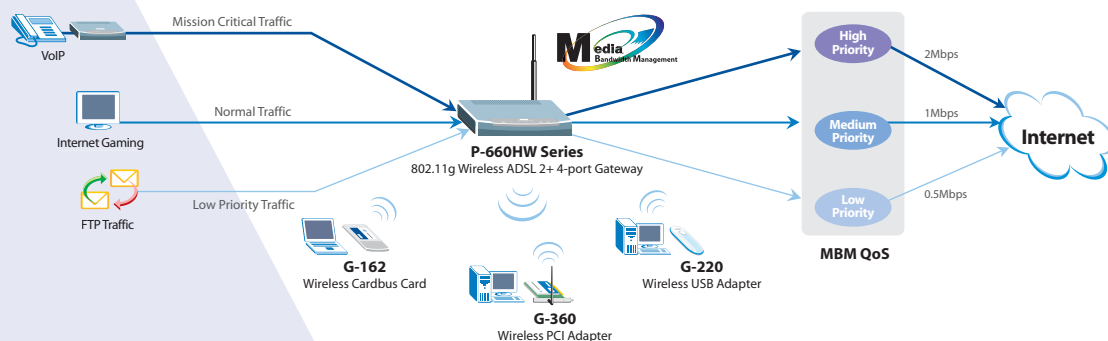
* Firmware upgradeable for future enhancement

Product Description

- P-660H-T1** ADSL 2+ 4-port Gateway over POTS
- P-660H-T3** ADSL 2+ 4-port Gateway over ISDN
- P-660H-T7** ADSL 2+ 4-port Gateway over U-R2
- P-660H-61** ADSL 2+ 4 Port Gateway over POTS
- P-660H-63** ADSL 2+ 4 Port Gateway over ISDN
- P-660H-67** ADSL 2+ 4 Port Gateway over U-R2

- P-660HW-T1** 802.11g Wireless ADSL 2+ 4-port Gateway over POTS
- P-660HW-T3** 802.11g Wireless ADSL 2+ 4-port Gateway over ISDN
- P-660HW-T7** 802.11g Wireless ADSL 2+ 4-port Gateway over U-R2
- P-660HW-61** 802.11g Wireless ADSL 2+ 4 Port Gateway over POTS
- P-660HW-63** 802.11g Wireless ADSL 2+ 4 Port Gateway over ISDN
- P-660HW-67** 802.11g Wireless ADSL 2+ 4 Port Gateway over U-R2

Prioritize your Internet Applications through Media Bandwidth Management (MBM)



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

Corporate Headquarters
ZyXEL Communications Corp.
Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
<http://www.zyxel.com>
<http://www.zyxel.com.tw>

ZyXEL Denmark A/S
Tel: +45 39 55 07 00
Fax: +45 39 55 07 07
Email: sales@zyxel.dk
<http://www.zyxel.dk>

ZyXEL France SARL
Tel: +33 (0)4 72 52 97 97
Fax: +33 (0)4 72 52 19 20
Email: info@zyxel.fr
<http://www.zyxel.fr>

ZyXEL Hungary
Tel: +36-1-336-1646
Fax: +36-1-325-9100
Email: info@zyxel.hu
<http://www.zyxel.hu>

ZyXEL North America
Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
<http://www.us.zyxel.com>

ZyXEL Russia
Tel: +7 (095) 542-8920
Fax: +7 (095) 542-8925
Email: info@zyxel.ru
<http://www.zyxel.ru>

ZyXEL Sweden A/S
Tel: +46 (0) 31 744 77 00
Fax: +46 (0) 31 744 77 01
Email: sales@zyxel.se
<http://www.zyxel.se>

ZyXEL Ukraine
Tel: +380 44 494 49 31
Fax: +380 44 494 49 32
Email: sales@ua.zyxel.com
<http://www.ua.zyxel.com>

ZyXEL Czech s.r.o.
Tel: +420 241 091 350
Fax: +420 241 091 359
Email: info@zyxel.cz
<http://www.zyxel.cz>

ZyXEL Finland Oy
Tel: +358-9-4780 8400
Fax: +358-9-4780 8448
Email: sales@zyxel.fi
<http://www.zyxel.fi>

ZyXEL Germany GmbH.
Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
<http://www.zyxel.de>

ZyXEL Kazakhstan
Tel: +7-327-2-590-699
Fax: +7-327-2-590-689
Email: sales@zyxel.kz
<http://www.zyxel.kz>

ZyXEL Norway A/S
Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: sales@zyxel.no
<http://www.zyxel.no>

ZyXEL Spain
Tel: +34 902 195 420
Fax: +34 913 005 345
Email: sales@zyxel.es
<http://www.zyxel.es>

ZyXEL UK Ltd.
Tel: +44 (0) 1344 303044
Fax: +44 (0) 1344 303034
Email: sales@zyxel.co.uk
<http://www.zyxel.co.uk>



Copyright © 2005 ZyXEL Communications Corp. All rights reserved. ZyXEL, ZyXEL logo and ZyNOS are registered trademarks of ZyXEL Communications Corp. All other brands, product names, or trademarks mentioned are the property of their respective owners. All specifications are subject to change without notice.

65-100-066004G

09/05