

# ZyXEL



## Advanced Security Provider of Higher-speed Gateway

- **ADSL2+ Internet Access**
- **Media Bandwidth Management**
- **2 IPSec VPN Support**



### Benefits

#### Higher-speed Internet Access

The P-661H-D 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 P-661H-D Series offers higher data transfer rates and better bandwidth than traditional ADSL enabled gateways. The P-661H-D Series also support RE ADSL (Reach Extended ADSL) for better performance at greater distance. The P-661H-D Series offers the key link between today's communications services and tomorrow's converged services.

#### Robust Firewall Security and IPSec VPN

The ICSA-certified ZyNOS operating system ensures state-of-art firewall performance and robust security from the P-661H-D 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. Furthermore, its VPN feature supports data encryption over the Internet to ensure secure data transmission between two sites, and can be used to replace a private leased line, allowing global interconnectivity with minimal expense.

#### Easy Setup with Multimedia Auto Provisioner Express (MAP Express)

Through its interactive multimedia interface, ZyXEL Multimedia Auto Provisioner Express (MAP Express) offers comprehensive instructions for even non-technical users to follow step by step to easily install and configure the device with simple mouse clicks.

With the interactive Installation Tutorial, users can change the speed of the presentation using the control.

ADSL2+ 4-port Security Gateway

P-661H-D SERIES



# ROUTER

## Specifications

### ADSL

- ADSL (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) G.992.3 Annex L

### ATM

- Support up to 8 PVCs
- ADSL physical connection ATM AAL5 (ATM Adaptation Layer type 5)
- Support multi-protocol over AAL5 (RFC 1483/2684)
- VC-based and LLC-based multiplexing
- Traffic Shaping UBR, CBR, VBR-nrt
- ATM Forum UNI 3.1/4.0 PVC
- I.610 F4/F5 OAM

### Routing/Bridge Support

- IEEE 802.1d Transparent Bridging
- 802.1q Pass-through Bridge
- Up to 256 MAC Learning Address
- IP Routing: TCP, UDP, ICMP, ARP
- RIP v1 and RIP v2
- IP Multicast, IGMP v1 and v2

## Product Description

### P-661H-D1

ADSL2+ 4-port Security Gateway over POTS

### P-661H-D3

ADSL2+ 4-port Security Gateway over ISDN

### P-661H-D7

ADSL2+ 4-port Security Gateway over U-R2

### IP Management

- SUA/Multi-NAT Internet Sharing
- VPN (IPSec, PPTP) Pass-through
- VoIP SIP Pass-through
- DNS Proxy
- Dynamic DNS
- DHCP server/relay/client
- UPnP support

### Security

- Stateful Packet Inspection Firewall
- Prevent DoS, DDoS Attack
- Policy based Access Control
- Content Filtering
- Password-protected System Management Terminal
- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol)

### Virtual Private Network

- 2 IPSec VPN Tunnels
- IKE and Manual Key Management
- AH and ESP Protocol
- DES, 3DES and AES Encryption
- SHA-1 and MD5 Authentication
- Tunnel and Transport Mode Encapsulation

### Advanced

- MBM (Media Bandwidth Management) QoS
- Traffic Redirect
- Zero configuration
- Multimedia Auto Provisioner
- TR-069 support

### Hardware Specifications

- DSL Interface
  - RJ-11 Connector for P-661H over POTS
  - RJ-45 Connector for P-661H over ISDN/U-R2
- LAN Interface
  - 4 -Port Switch, 10/100M Auto MDI/MDIX
- Reset Button
- Status LED Indicator
  - POWER, ETHERNET, DSL, INTERNET
- Power: 12V AC

### Physical Specifications

- Dimension: 180 (W) x 128 (D) x 36 (H) mm
- Weight: 305g

### Environmental Specifications

#### Operation Environment

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

#### Storage Environment

- Temperature: -20°C ~ 60°C
- Humidity: 20% ~ 90% (non condensing)

## High-speed Access with Advanced Security for SOHO/Small Office

