ZyXEL

- **ADSL2+ High-speed Internet Access with Download Speeds of Up to 24 Mbps**
- **Robust and Proven SPI Firewall with DoS Attack Protection**
- **Eco-friendly Wireless with Hardware On/Off Button to Saves Energy by Eliminating Electricity Waste**
- **Embedded QoS Controlling Different Types of Network Traffics for Optimized Time-sensitive Information**
- **WPS Button for Quick and Easy Wireless Security Setup**

P-660HN-F1A
Wireless-N ADSL2+ 4-port Gateway

150 Mbps Ultra High-speed 802.11N ADSL2+ Wireless Gateway

Benefits

ADSL2+ Empowers Larger Internet Pipeline

The P-660HN Series is based on the ADSL2+ standard which not only creates fast access to the Internet, but also maintains stable connections and sufficient bandwidth for Internet surfing. Simultaneous video/audio content steaming and online gaming are smoother and faster than traditional ADSL-enabled gateways.

802.11n Technology for Extreme Performance and Coverage

The P-660HN Series featuring the 802.11n technology that provides the ultimate solution for speed and coverage. With data rates of up to 150 Mbps, the P-660HN-F1A provides stable and reliable wireless connections for high-speed data and multimedia delivery; it eliminates dead zones and extends coverage with the upcoming IEEE 802.11n technology and is backward-compatible with any IEEE 802.11b/g-certified Wi-Fi device.

Enhanced Security Provides Robust Protection

Enhanced security safeguards the traffic all the way through broadband to the LAN. The dual-Ethernet firewall (NAT and SPI) design is capable of blocking hacker attempts to reduce the risk of intrusion. In addition, the P-660HN Series supports not only WPA-2/WPA/WEP but also the hardware WPS button that performs easy setup with just a single click. With the P-660HN, maintaining a secure wireless network is no longer a headache.

Eco-friendly Wireless On/Off Button Saves Energy Easily

Following the of "green earth" concept, the P-660HN Series is equipped with a wireless on/off button for users to manage energy consumption easily. With just one click, the wireless function can be switched off so energy is utilized more efficiently when wireless is not used; meanwhile the wired communication is still on and won't be affected.

Embedded QoS Optimizes Time-sensitive Applications

The P-660HN Series supports QoS features that prioritize traffics to maximize bandwidth utilization. It makes the P-660HN more ideal for delivering time-sensitive applications such as VoIP or video streaming.

ADSL 2+ | WPA Security | Firewall | b/g Wi-Fi CERTIFIED® n

ZyXEL

P-660HN-F1A
Wireless-N ADSL2+
4-port Gateway

Specifications

System Specifications

ADSL Compliance
- ITU 992.1 (G.dmt)
- ITU 992.3 ADSL2 (G.dmt.bis)
- ITU 992.5 ADSL2+
- Reach-extended ADSL (RE ADSL)
- Annex L/M support

WLAN
- IEEE 802.11n compliance, backward compatible with 11b/g
- Frequency operation: 2.4 GHz
- 64 /128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Support IEEE 802.1x, external radius server: EAP-MD5, TLS, TTLS, PEAP
- Wireless scheduler
- Wi-Fi Multimedia (WMM)
- WPS (Wi-Fi Protected Setup)

Router
- NAT (maximum 2048 sessions)
- SIP ALG pass-through
- NAT port forwarding
- PPPoE pass-through
- Dynamic DNS
- IP alias
- DHCP server/client/relay
- RIP I/RIP II support
- IGMPv1 and v2 support
- UPnP support
- 802.1Q/1P

Firewall
- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention

Security
- Multiple VPN (IPSec, PPTP) pass-through
- Packet filtering
- URL keyword blocking

Management
- Embedded Web configuration
- TR-069 HTTPS support
- Logs and statistics
- SNMP v1 and v2 with MIB II
- Remote management control: Telnet, FTP, Web, SNMP, and DNS
- CLI command via Telnet/console

Hardware Specifications
- ADSL port: 1 x RJ-11
- Ethernet port: 4 x RJ-45
- Power input (12 V DC 1 A)
- Power switch button
- Reset button
- WPS and WLAN on/off hardware button (coexisting)
- Single 2 dbi detachable antenna
- LED displays
  - Power
  - Ethernet (1-4)
  - WLAN/WPS
  - DSL
  - Internet

Physical Specifications
- Item weight: 285 g (0.63 lb)
- Item dimensions: 180 (W) x 128 (D) x 37 (H) mm (7.08 (W) x 5.04 (D) x 1.46 (H) inches)
- Packing weight: 1,000 g (2.21 lb)
- Packing dimensions: 362 (W) x 201 (D) x 110 (H) mm (14.25 (W) x 7.91 (D) x 4.33 (H) inches)

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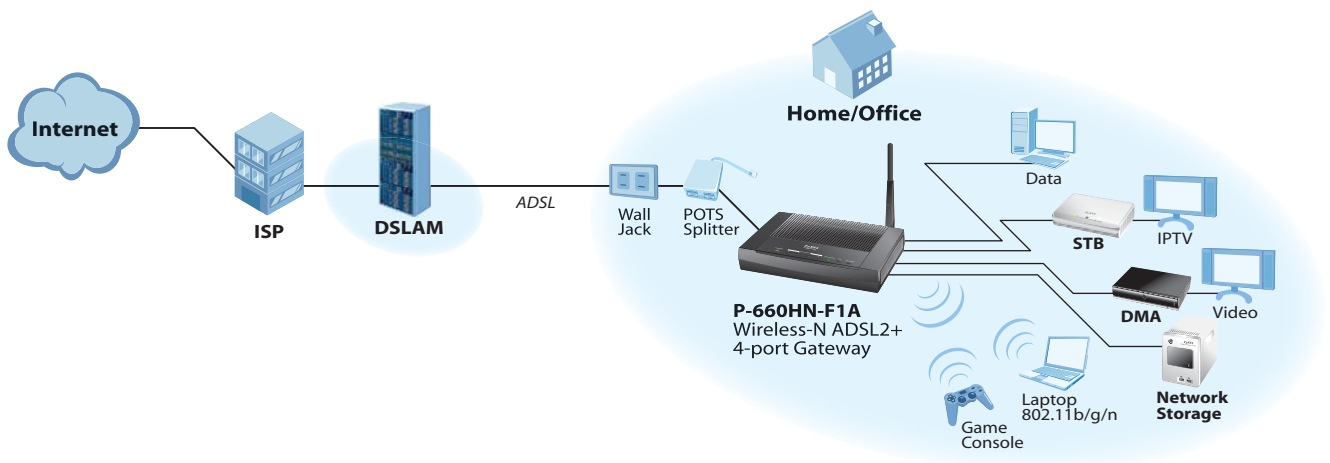- Storage humidity: 20% ~ 90% RH (non-condensing)

Certification
- Safety: CE (EN60950-1, IEC 60950-1)/UL/CSA
- EMI: FCC/CE/C-Tick

Rear Panel

DSL   ETHERNET   RESET   POWER   WPS/WLAN   ON/OFF

Application Diagram

Internet

ISP   DSLAM   ADSL   Wall Jack   POTS Splitter

Home/Office

Data
IPTV
STB
Video
DMA
Network Storage
Laptop 802.11b/g/n
Game Console

P-660HN-F1A
Wireless-N ADSL2+
4-port Gateway

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