

ZyXEL



www.zyxel.com/green

- ADSL2+ high-speed Internet access
- 802.11n AP functions built-in (1x1)
- SIP with 1 FXS port support
- Superior QoS and traffic management
- Remote provisioning and management through TR-069/TR-104

P-2601HN/HNL Series

802.11n Wireless
ADSL2+ VoIP IAD

Wireless N Compact IAD for Residential Users

Benefits

Faster in-house sharing through 802.11n wireless connectivity

Equipped with latest 802.11n standard-based technology, the P-2601HN/HNL Series boosts the wireless speed up to 150 Mbps while providing better in-house coverage. High definition videos and photos can now be shared faster than on the previous 802.11g products. Thanks to the easily accessible location of the WPS button on P-2601HN/HNL Series, the button can be reached effortlessly and wireless connection can be set up without hassle.

Compact VoIP design with one FXS

The P-2601HN/HNL Series has the most compact Voice over IP (VoIP) design with only one FXS port. It enable service providers to offer more compact service packages to their subscribers while maintaining the minimum video, voice and data service capability in one box. With the P-2601HN/HNL Series, the VoIP capability reserved for future IP migration is no longer a heavy burden for capital investments.

Auto Provisioning and management through TR-069/TR-104

With compliance to the TR-069 and TR-104 management standards, the P-2601HN/HNL Series enables service providers to manage and configure client devices remotely without end-user intervention. This unique feature not only offers user a truly "plug-and-play" experience, but also reduces the complexity of deployment and therefore saves operating and maintenance costs for service providers.

Superior QoS and traffic management

With the popularity of the broadband services, applications now evolve faster than ever; however P2P download, Internet video, gaming and VoIP all compete for network resources—and the P-2601HN/HNL Series featuring superior QoS functions is the answer. The P-2601HN/HNL Series offers flexible mechanisms for operators to prioritize time-sensitive applications such as IPTV streaming, gaming and VoIP to assure the quality of their paid services.





P-2601HN/HNL Series

**802.11n Wireless
ADSL2+ VoIP IAD**

Specifications

System Specifications

ADSL Compliant

- ADSL compliance/ITU-T G.992.1/ITU-T G.992.2 Annex A, B (G.lite)/ITU-T G.994.1 (G.hs)
- ADSL2 compliance/ITU-T G.992.3 (G.dmt.bis)/ITU-T G.992.4 (G.lite.bis)/Annex M (Enhanced upstream for ADSL over POTS)
- ADSL2+ compliance/ITU-T G.992.5

Router/Bridge Functions

- NAT/NAPT
- SUA/CONE NAT (Port restricted, full CONE)
- NAT server (Port forwarding)
- DHCP client/server/relay
- DHCP option (43/60/61/125)
- Static route
- IP policy route
- RIP v1/v2
- IP alias
- DNS proxy
- Dynamic DNS
- ICMP
- IGMP v1/v2/v3*
- IGMP proxy and snooping*
- VLAN/QoS
- PPP over Ethernet (RFC 2516)
- IEEE 802.1d transparent bridge
- 512 MAC addresses

Wireless LAN

- 802.11n backward compatible to 802.11b/g
- Frequency band: 2.4 GHz
- Data rate: 150 Mbps
- MAC filter
- WEP
- WPA2/WPA2-PSK
- WMM
- WPS
- Up to 4 SSID support
- Auto channel selection
- Support up to 32 clients

Voice over IP

- SIP v2 (RFC3261)
- SDP (RFC2327/3264)
- RTP/RTCP
- Codec (G.711/G.729/G.726/G.722)
- T.38 Fax relay
- DTMF
- G.168 echo cancellation
- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- Dynamic jitter buffer (10 ~ 180 ms)
- CLID
- CLIP
- CLIR
- Flexible dial plan
- Call wait/transfer/forward/hold
- 3-way conference
- Optional FXO function support on HNL model

Security

- PAP/CHAP
- Generic packet filter
- SPI firewall
- DoS attack prevention
- Content filter

Management

- Web GUI (HTTP/HTTPS)
- CLI (Command Line Interface)
- TR-064
- TR-069/TR-098/TR-104
- UPnP
- HTTP/FTP/TFTP/TR069 for firmware upgrade

Hardware Specifications

- RJ-11 for ADSL Annex A, RJ-45 for ADSL Annex B and UR2
- 4-port auto MDI/MDI-X 10/100M Ethernet LAN ports
- 802.11n AP function built in (1x1)
- 1 x embedded antenna (2 dbi)
- WPS/WLAN on-off button
- One FXS port
- One FXO port (Option on HNL model only)

Physical Specifications

- Item weight: 316 g (0.71 lb)
- Item dimensions: 189 (W) x 132 (D) x 40 (H) mm (7.44 (W) x 5.2 (D) x 1.57 (H) inches)
- Packing weight: 696 g (1.54 lb)
- Packing dimensions: 238 (W) x 203 (D) x 61 (H) mm (9.92 (W) x 7.99 (D) x 2.36 (H) inches)

Environmental Specifications

Operating Environment

- Temperature: 0°C ~ 40°C
- Humidity: 20% ~ 95%

Storage Environment

- Temperature: -30°C ~ 60°C
- Humidity: 20% ~ 95%

Certification

- CE

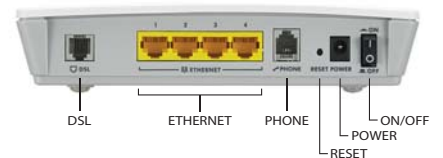
* Feature released in future F/W upgradeable.

Product Description

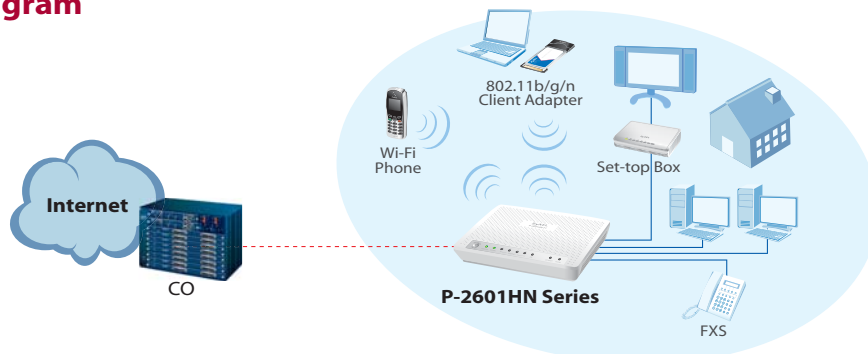
- P-2601HN-F1
802.11n Wireless ADSL2+ VoIP IAD over POTS
- P-2601HN-F3*
802.11n Wireless ADSL2+ VoIP IAD over ISDN
- P-2601HNL-F1
802.11n Wireless ADSL2+ VoIP IAD over POTS with Lifeline
- P-2601HNL-F3*
802.11n Wireless ADSL2+ VoIP IAD over ISDN with Lifeline

* Model ready in future

Rear Panel



Application Diagram



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

