ZyXEL

- **High-speed Internet Access**
- **Fashionable user friendly GUI style**
- **802.11n 2x2 Wireless technology**
- **Application with firewall**
- **TR-069 remote management**

Stylish, Easy-to-use Wireless ADSL2+ Gateway for Ultra High-speed Internet Access

Benefits

High-speed Internet access

P-660HNU-T1 is an ADSL/ADSL2/ADSL2+ router that supports downstream transmission of up to 12 Mbps (ADSL2) or 24 Mbps (ADSL2+). This technology enables users to enjoy not only high-speed ADSL services but also broadband multimedia applications such as interactive gaming, video streaming and real-time audio that run faster and easier than ever. For ISP/Telco needs, the P-660HNU-T1 has the ability to support rates and line status monitor management.

Stylish, user-friendly GUI

The stylish Web-based brick user interface makes it extremely easy for users to install and manage the P-660HNU-T1, while the intuitive Web interface and user-friendly configuration steps bring fresh feeling to every user.

802.11n 2x2 Wireless technology

The 802.11n technology provides the ultimate solution for high-speed wireless connection with data rates of up to 300 Mbps. The 2x2 technology makes use of your home environment by bouncing wireless signal off of walls and ceilings to work around obstacles. The P-660HNU-T1 exceeded high-speed wireless access requirements for performance, extended range, co-existence with other 802.11 b/g/n clients and access points as well as the ability to eliminate Wi-Fi dead spots.

Applications with firewall capability

The P-660HNU-T1 provides the stateful inspection filtering and real firewall network protections. With the default firewall setting, outgoing and incoming traffics from the protected LAN will be blocked. The Linux firewall supports TCP/UDP inspection, Denial of Services (DoS) detection and prevention, real time alerts, reports and logs.

TR-069 remote management

With TR-069 standard management specifications, service providers are able to manage and configure client devices remotely without manual intervention from end-users. This unique feature not only offers user a true "plug-and-play" experience, but also reduces the deployment complexity, and therefore saves operating and maintenance costs for service providers.

P-660HNU-T1

Wireless N ADSL2+ 4-port Gateway with USB

| Wireless Scheduling | 802.11 n 300 Mbps | ADSL2+ | WPS | Firewall | TR-069 |

P-660HNU-T1
Wireless N ADSL2+ 4-port Gateway with USB

Specifications

System Specifications

ADSL Compliance

- Support Multi-Mode standard (ANSI T1.413, Issue 2; G.dmt (G.992.1); G.lite (G992.2))
- ADSL2 G.dmt.bis (G.992.3)
- ADSL2 G.lite.bis (G.992.4)
- ADSL2+ (G.992.5)
- Reach Extended ADSL (RE ADSL)
- Seamless Rate Adaptation (SRA)

WLAN

- IEEE 802.11 b, g, n compliance
- 2.4 GHz frequency band
- 64/128 bits WEP data encryption
- WPA-PSK, WPA2-PSK
- Wi-Fi Multimedia (WMM)
- WPS
- Wi-Fi scheduling

Router

- NAT (Maximum 4096 sessions)
- SIP ALG pass-through
- DNS Proxy
- Dynamic DNS
- DHCP client/server/relay
- Static DHCP
- DHCP Option 60/43
- RIP I/RIP II supported
- Support 16 IP Static routes by Gateway
- IGMP v1 and v2
- IGMP Proxy
- IGMP snooping
- IP Policy Routing
- UPnP support

QoS

- Linux QoS both firmware and hardware support
- Classifier and forwarding
- DSCP/802.1p marking

Security/Firewall

- Stateful Inspection
- DoS support
- Access control list between LAN and WAN
- URL blocking
- 16 ACL filter rule

Management

- Embedded Web configurator
- SNMP
- TR-069 HTTPS support
- TR-111
- TR-143
- MTU adjustable on Web GUI

Hardware Specifications

- DSL port: One RJ-11 port for ADSL 2+ connection
- Ethernet ports: Four 10/100M Auto MDI/MDIX RJ-45 interface
- USB port: One USB type A, 2.0 host USB
- Power input (12 VDC 1A)
- Power switch
- Reset button
- WPS and WLAN ON/OFF hardware button (coexisting)
- Two internal antennas
- LED displays
  - Power
  - Ethernet (1-4)
  - WLAN/WPS
  - DSL
  - Internet
  - USB

Physical Specifications

- Item dimensions (WxDxH): 186 x 121 x 33 mm (7.32" x 4.76" x 1.3")
- Item weight: 245 g (0.54 lb.)
- Packing dimensions (WxDxH): 291 x 162 x 51 mm (11.45" x 6.38" x 2.01")
- Packing weight: 540 g (1.19 lb.)

Environmental Specifications

Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
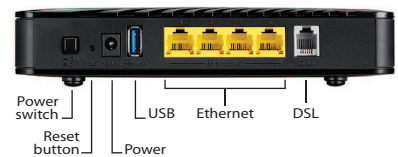- Humidity: 20% to 90% RH

Storage Environment

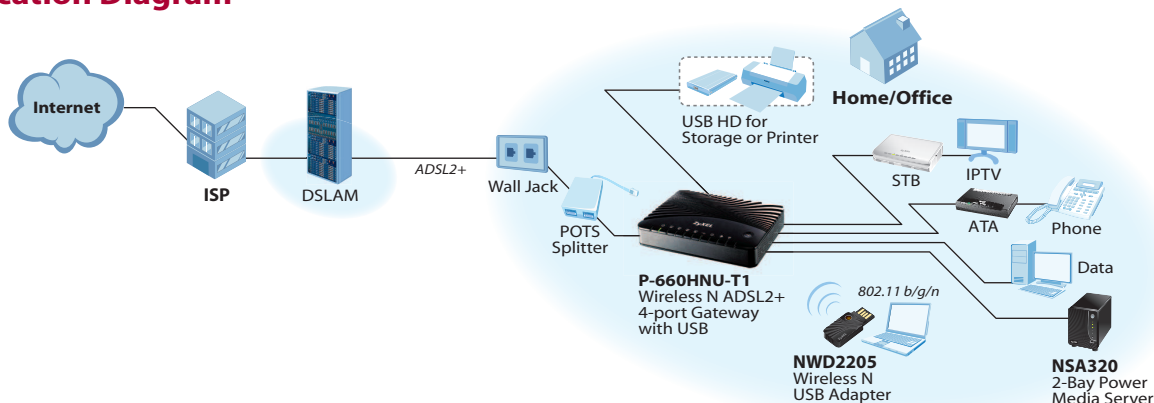- Temperature: -25°C to 65°C (-13°F to 149°F)
- Humidity: 20% to 90% RH

Certification

- EMC: CE, FCC
- Safety:
  - IEC 60950-1: 2005 (2nd Edition)
  - EN 60950-1: 2006 + A11: 2009

Rear Panel

Power switch — Reset button — Power — USB — Ethernet — DSL

Application Diagram

Internet — ISP — DSLAM — ADSL2+ — Wall Jack — POTS Splitter — P-660HNU-T1 Wireless N ADSL2+ 4-port Gateway with USB

USB HD for Storage or Printer — Home/Office — STB — IPTV — ATA — Phone — Data

802.11 b/g/n — NWD2205 Wireless N USB Adapter — NSA320 2-Bay Power Media Server