ZyXEL

- **ADSL2+ Internet Access**
- **SOHO Firewall Security with DoS Prevention**
- **Web Based User Interface**
- **USB and Ethernet Dual Interface**
- **Powerful Remote Management Support (TR-069)***

Note:The feature with * needs local ISP support.

High-Speed ADSL2+ Ethernet/USB Router for SOHO Networks

High Speed Internet Access

ZyXEL P-660RU-Tx v3s Series is an ADSL/ADSL2/ADSL2+ router, which supports downstream transmission of up to 12 Mbps (ADSL2) or 24 Mbps (ADSL2+). For ISP/Telco's need, the P-660RU-Tx v3s Series also has the capability to support rate and line status monitor management. Users can enjoy not only high-speed ADSL services but also broadband multimedia applications such as interactive gaming, video streaming and real-time audio much easier than ever.

SOHO Firewall Security

Along with the built-in NAT firewall feature, the router also provides advanced hacker packet filtering protection. It can automatically detect and block Denial of Service (DoS) attacks.

Automatic Remote Configuration

The P-660RU-Tx v3s Series comply with TR-069. Most configurations, diagnosis and FW upgrades can be performed via remote ACS without user involvement. In other words, users get better service with less manual configuration.

MAP Express for Easy Installation

Setting up such a powerful device would be complex. With ZyXEL's MAP Express Install 1-2-3 installation guide, the configuration can be done in a snap, and its rich audio and visual aids even fun to use.

Multi-NAT Technology

NAT provides system administrators an easy solution to create private IP networks with better security and IP management. Powered by the ZyNOS NAT technology, the P-660RU-Tx v3s Series supports most popular Internet multimedia applications such as NetMeeting, CuSeeMe, IP TV, QuickTime, Real Player (RSP/RTSP) and Xbox, etc.

P-660RU-Tx v3s SERIES
ADSL2+ Ethernet/USB Router

ADSL 2+   Web-based Configuration

Specifications

System Specifications

ADSL Compliance
- Support Multi-Mode standard (ANSI T1.413, Issue 2; G.dmt (G.992.1); G.lite (G992.2))
- EOC specified in ITU-T G.992.1
- ADSL2 G.dmt.bis (G.992.3)
- ADSL2 G.lite.bis (G.992.4)
- ADSL2+ (G.992.5)
- Reach Extended ADSL (RE ADSL)

ATM Protocol
- ADSL physical connection ATM AAL5 (ATM Adaptation Layer type 5)
- Support multi-protocol over AAL5 (RFC1483/2684)
- Support VC-based and LLC-based multiplexing
- Support up to 8 PVCs
- Support PPP over ATM AAL5 (RFC2364)
- PPP over Ethernet support for DSL connection (RFC 2516)
- I.610 F4/F5 OAM loop-back

Network Protocols
- IP routing
- 802.1d transparent bridging
- IGMP v1&v2
- RIP-1/RIP-2
- ICMP
- TCP/UDP

IP Management
- DHCP client/server/relay
- DNS proxy
- Dynamic DNS (www.dyndns.org)
- UPnP support
- SUA/Multi-NAT Internet sharing

Network Management
- FTP for firmware and configuration upgrade/backup
- Remote management control: Telnet, FTP, Web
- SNMP support
- Built-in diagnostic tools

Firewall Security
- Stateful packet inspection
- Prevent DoS/ping of death
- Application filter
- IP & MAC filter

Advanced Feature
- CPE WAN management (TR-069 support)
- CPE LAN management (TR-064 support)*

Hardware Specifications
- ADSL port: RJ-11 port
- LAN port: RJ-45 port
- USB port: USB 1.1 port
- Power: 9V DC & 0.6A switching
- Power consumption: 5 watt

Physical Specifications
- Item weight: 140 g (0.31 lb)
- Item dimensions:
  110 (W) x 107 (D) x 36 (H) mm
  (4.33 (W) x 4.21 (D) x 1.42 (H) inch)
- Packing weight: 400 g (0.88 lb)
- Packing dimensions:
  229 (W) x 148 (D) x 43 (H) mm
  (9.01 (W) x 5.83 (D) x 1.69 (H) inch)

Environmental Specifications
- Operating temperature: 0°C ~ 40°C
- Storage temperature: -20°C ~ 60°C
- Operating humidity: 20% ~ 85% (non-condensing)
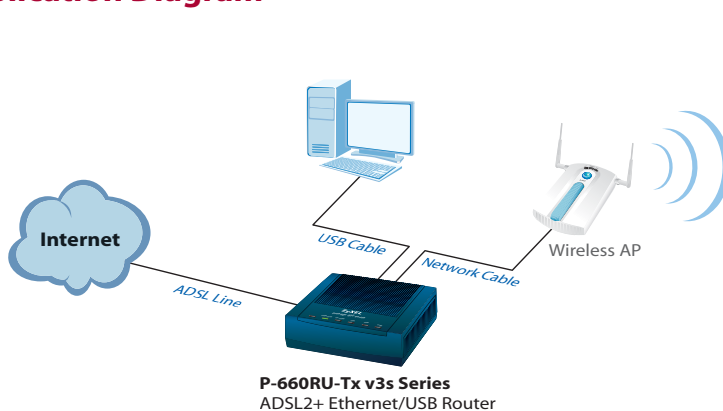- Storage humidity: 20% ~ 90% (non-condensing)

Certification
- FCC
- CE

Product Description
P-660RU-T1 v3s   ADSL2+ Ethernet/ USB Router over POTS

Feature Released in Future F/W upgradeable.

Application Diagram

Internet

ADSL Line

USB Cable

Network Cable

P-660RU-Tx v3s Series
ADSL2+ Ethernet/USB Router

Wireless AP

Wireless CardBus Card

Wireless USB Adapter

Wireless PCI Adapter