

ZyXEL



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



- **ADSL2/ADSL2+ High-speed Internet Access**
- **USB and Ethernet Dual Interfaces**
- **Automatically Connect to Your Internet Service with Zero Configuration Technology**
- **Provide a Comprehensive and Quick Installation Demo within 3 Steps**

Benefits

Higher-speed Internet Access

The P-660RU Series is compatible with high-speed ADSL, ADSL2 and ADSL2+ interfaces over existing copper lines. With a top speed of up to 12 Mbps (ADSL2) or 24 Mbps (ADSL2+), the P-660RU Series offers higher data transfer rates and more bandwidth over traditional ADSL gateways. It also supports RE ADSL (Reach-Extended ADSL) for higher speed and longer distance. 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 before.

Multi-NAT

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

Zero Configuration Support

Thanks to ZyXEL's exclusive Zero Configuration technology, quick and easy installation allows users to establish a DSL connection in minutes.

Easy Setup with Multimedia Auto Provisioner Express (MAP Express)

The MAP Express mechanism offers the P-660RU a friendly and quick installation GUI. 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 are even fun to use.

ADSL2+ Ethernet/USB Router

P-660RU SERIES



ROUTER



Specifications

ADSL

- RADSL (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 (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) 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
- ITU-T 1.610 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
- Static Route
- IP Multicast, IGMP v1 and v2

IP Management

- SUA/Multi-NAT Internet sharing
- VPN (IPSec, PPTP) pass through
- VoIP SIP Pass-through
- Protocol and Generic Packet Filter
- DNS Proxy
- Dynamic DNS
- DHCP Server/Relay/Client
- UPnP support

Network Management

- Web-based Configuration Tool
- Command-line Interpreter
- SNMP v1 and v2 with MIBII
- Embedded FTP/TFTP for firmware upgrade and romfile backup/restore
- Telnet Management
- Built-in Diagnostic Tool

Secure Access

- Password-protected System Management Terminal
- PAP (Password Authentication Protocol)
- CHAP (Challenge Handshake Authentication Protocol)
- IP Packet Filtering for Access Control

Advanced

- Zero Configuration
- Multimedia Auto Provisioner

Hardware Specifications

- ADSL: One RJ-11 or RJ-45 Port
- LAN: 1-Port, 10/100M Auto MDI/MDIX
- USB: 1 USB 1.1 Port
- Reset Button
- Status LEDs Indicator
- Power: 9 VAC

Physical Specifications

- Dimensions: 111 (W) x 106.5 (D) x 35 (H) mm
- Weight: 170 g

Environmental Specifications

Operation Environment

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

Storage Environment

- Temperature: -20°C ~ 60°C
- Humidity: 20% ~ 90%

Certifications and Warranty

Certifications

- FCC
- CE

Warranty

- Two years

Product Description

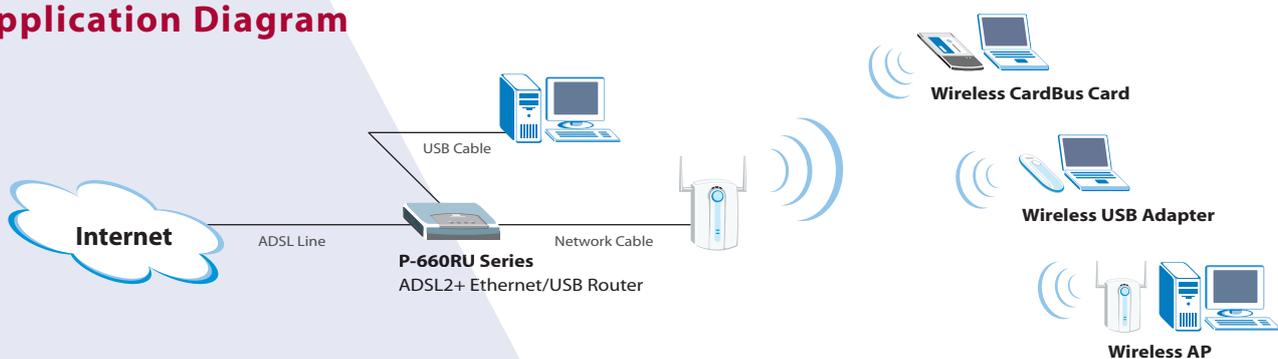
- P-660RU-T1** ADSL2+ Ethernet/USB Router over POTS
- P-660RU-T3** ADSL2+ Ethernet/USB Router over ISDN
- P-660RU-T7** ADSL2+ Ethernet/USB Router U-R2
- P-660RU-T1 v2** ADSL2+ Ethernet/USB Router over POTS
- P-660RU-T3 v2** ADSL2+ Ethernet/USB Router over ISDN/U-R2

MAP Express



Multimedia Auto Provisioner, Express version. It's a self-installation CD with step-by-step instructions that guide users through the installation process, establishing Internet connection for computers on the LAN in 3 easy steps. In addition, the MAP Express supports multilingual, English, German, French, Spanish, Italian, Russian and Traditional Chinese.

Application Diagram



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