

# ADSL Powerline Router



APL/2

- ❖ Integrated Powerline 85M bridge and Wall-Mount design
  - ❖ ITU-T G.992.1 (Annex A and Annex B / ETSI / U-R2)
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## **Features**

- ANSI T1.413 Issue 2, ITU-T G.992.1(G.dmt) and G.992.2 (G.lite) compliant
- ITU-T G.992.1 (G.dmt) Annex B / ETSI TS 101 388 / DTS TM-06006
- ITU-T G.992.1 Annex B - Deutsch Telecom / UR2
- Full rate transmission at up to 8Mbps downstream and 1Mbps upstream
- IP sharing: Share a single IP account within your entire network via NAT routing way
- Enhanced Firewall function to log attacker's IP address and protocol type
- Enhanced management features to monitor all the incoming and outgoing packets and also restrict user's routing path
- Supports DMZ and Port forwarding function
- Configuration and management operated via WWW browser, Telnet server
- Provided operating modes include routing, bridge, static IP, PPPoE, PPPoA etc
- Up to 85Mbps data rate on existing powerline networking
- 56-bit DES encryption network ensures privacy and security

# ADSL Powerline Router

## Specifications

### ADSL Compliance

- Compliant with ADSL standards
  - Full-rate ANSI.413 Issue 2 and ITU G.dmt (G.992.1) standards Splitter less ITU G.lite (G.992.2) specification, Annex A (ADSL over POTS) and Annex B (ADSL over ISDN)
- DMT modulation and demodulation
- Full-rate adaptive modem
  - Maximum downstream rate of 8 Mbps
  - Maximum upstream rate of 1 Mbps
- Tone detection for low power mode
- Supports splitter less ADSL implementation
- Interoperable with all major DSLAM equipment

### ATM Protocols

- WAN mode support: PPP over ATM (RFC 2364) and PPP over Ethernet (RFC 2516)
- LAN mode support: bridged/routed Ethernet over ATM (RFC 1483) and classical IP over ATM (RFC 1577)
- Up to 8 VCs (virtual circuits)
- ATM SAR (segmentation and reassembly)
- ATM AALC (adaption layer type 5)

### Bridge Mode

- Ethernet to ADSL self learning Transparent Bridging (IEEE 802.1D)
- Supports up to 128 MAC learning addresses

### Router Mode

- IP routing-RIPv2
- Static routing
- DNS Proxy
- Dynamic DNS
- Port Forwarding
- DHCP (dynamic host configuration protocol) server and client
- NAT (network address translation)
- ICMP (Internet control message protocol)

### Security

- User authentication for PPP
- PAP (password authentication protocol)
- CHAP (challenge authentication protocol)
- Password protected system management

### HTTP Web-Based Management

- Firmware upgrade by FTP
- Customizable Web pages
- WAN and LAN side connection statistics
- Configuration of static routes and routing table
- Password protected access
- Selection of bridge or router mode
- Configuration of VCs (virtual circuits)

### Powerline Features

- Data transfers at up to 85 Mbps over the household power circuit
- Ranges of 200 meters
- No need new wires for Home networking
- Deliver the benefits of Ethernet without the wiring expense
- High-speed Internet and DVD-quality video streaming
- Use the home's existing powerline
- Easy to install
- Throughout the whole house, just use your power circuit to access the Internet or PC network
- Orthogonal Frequency Division Multiplexing for high data reliability in noisy media conditions
- 56-bits DES link encryption for security

### Temperature

- Storage Temperature: -20°C~70°C
- Operating Temperature: 0° C ~40° C

### Humidity

- Storage Humidity: 5%~95% R/H (max).
- Operating Humidity: 10%~90% R/H (max)

### Regulatory Approvals

- FCC, CE, LVD

### Application:

