

# PS-672 Series

1 pair / 2 pair G.SHDSL.bis Bridge / Router



PS-672A



PS-672B

## Description

PS-672 is a high-speed product of OPNET G.SHDSL.bis series. Understanding the urgent needs of both bandwidth and routing functions, PS-672 is designed to provide the business customer a high performance stand alone unit with rich of routing features via two- pair G.SHDSL line. Strongly committed to friendly configuration, PS-672 has the Web-based and GUI-based configuration features for configuring the unit in the easiest way ever. There is a Dying-gasp circuit which supports remote power failure detection and indication. PS-672 is an idea product for SOHO users who is starving for high bandwidth and fast, reliable Internet connection but less operating expense. Service provider also can use PS-672 to offer DSL service with rich features for enterprises needs.

There are two versions of PS-672:

PS-672A with built-in power module for AC and DC input power.

PS-672B with external AC power adapter to provide DC power to the system.

## Key Features

- Easy configuration and management with password control for various application environments
- Efficient IP routing and transparent learning bridge to support broadband Internet services
- VPN pass-through for safeguarded connections
- Fully ATM protocol stack implementation over SHDSL
- PPPoA and PPPoE support user authentication with PAP / CHAP
- SNMP management with SNMPv1 / SNMPv2 agent and MIB II
- Getting enhancements and new features via firmware upgrade
- Built-in 4-port 10/100Mbps switch
- One pair or Two pair DSL
- WAN Port ping Disable /Enable
- TR069 supported
- IPv6 supported
- 802.1Q VLAN supported

## Interfaces

### G.SHDSL Specification

- Downstream and upstream symmetrical data rates up to 11.4 Mbps in ATM,EFM,PTM mode with two-pair DSL line
- ITU G.991.2 Annex A, B, F, G
- Fixed/ Auto rate negotiation : compliant G.994.1
- STU-C/STU-R mode selectable
- Impedance: 135 ohm
- Coding: TC-PAM, compliant to ITU-T G.991.2 (G.SHDSL)
- Performance monitoring: (ES, SES, UAS)
- Single pair or Two pair selectable
- SNR /Attenuation Value calculation

### Physical interfaces

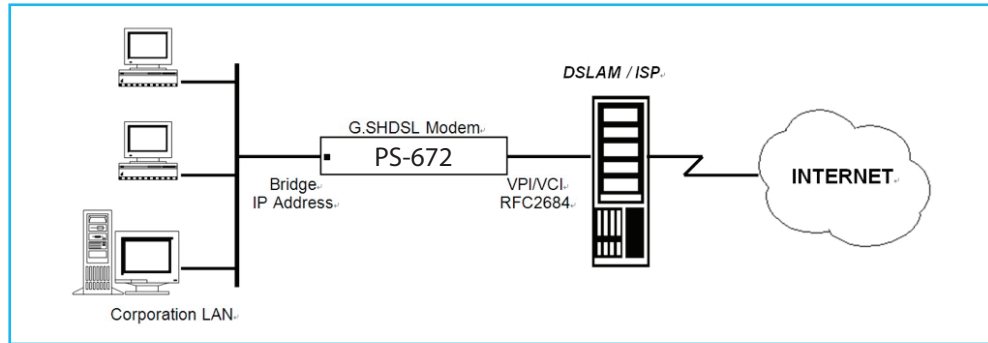
- 4 ports RJ45 for 10/100Mbps Ethernet LAN connection
- 1 RJ-45 port for G.SHDSL connection (1pair or 2 pairs)
- 1 console port for local configuration and management

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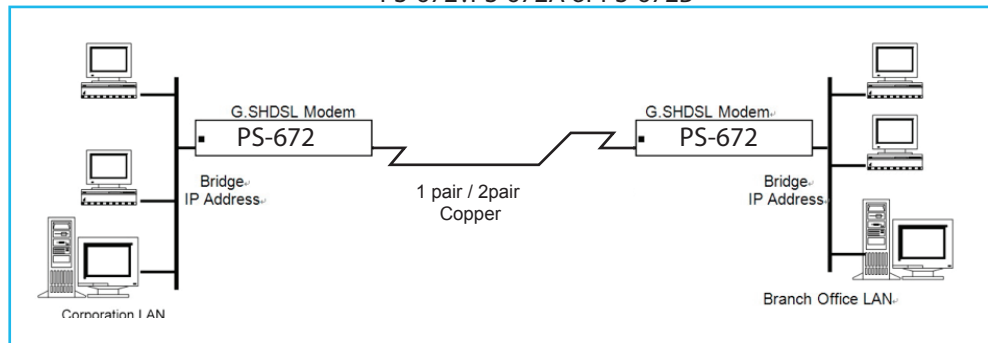
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## Applications

### Bridge mode : Internet Access & LAN to LAN



\*PS-672:PS-672A or PS-672B



## Hardware Specification

Model	PS-672A	PS-672B
Power Supply	Dual -36~-72VDC,100~240V AC, 50~60Hz	External power adapter 12V DC, 1000mA
LAN Port	RJ45 x 4	RJ45 x 4
WAN Port	RJ45 x 1 (1 or 2 pairs)	RJ45 x 1 (1 or 2 pairs)
Console Port	RJ45 x 1	RJ45 x 1
Operating temperature	0° to 50°C	0° to 50°C
Storage temperature	-10° to 70°C	-10° to 70°C
Housing	Metal case	plastic case
Dimension	234mm x 139mm x 44mm (W x D x H)	220mm x 150mm x 40mm (W x D x H)

## Software Specifications

### ATM Protocol

- ATM adaptation layer type 5 (AAL5)
- VC multiplexing and LLC encapsulation
- Multi-protocol over AAL5 (RFC 1483/2684 bridged and routed PDU)

- Classical IP over ATM (RFC 1577 with MTU = 1500)

- Up to 4 PVCs

- ATM QoS CBR, UBR, VBR, VBR-rt support

- UNI 3.1/4.0 PVC

- I.610 OAM F5 loopback

### PPP Support

- PPP (RFC 1661)

- PPP over AAL5 (RFC 2364)

- PPP over Ethernet (RFC 2516)

- User authentication with PAP/CHAP

### Routing Capability

- Support IP/TCP/UDP/ARP/ICMP protocols

- IP routing with static routing and RIPv1/RIPv2 (RFC1058/2453)

- Network address translation (NAT/PAT) (RFC1631)

- DNS relay and caching (RFC1034/1035)

- DHCP server (RFC2131/2132)

### Bridging

- IEEE 802.1D transparent learning bridge

- Up to 1K MAC learning addresses

### Configuration

- Local console (RS232)

- Telnet access

- Web-based GUI (HTTP)

### Network Management

- Web-based GUI for express setup, configuration and management

- Menu-driven interface for local console and Telnet access

- Password protected management and access control list for administration

- SNMP management with SNMPv1/SNMPv2c

- Software upgrade via TFTP server