



## SH8508

G. SHDSL. bis Modem

### Description

SH8508 is a high-speed product of G. SHDSL point-to-point LAN Extender series. Understanding the urgent needs of both bandwidth and routing functions, SH8508 is designed to provide the business customer with a high-performance standalone unit with rich routing features via single/two/three/four pairs G. SHDSL line. Strongly committed to friendly configuration, SH8508 has the Web-based and GUI-based configuration features for configuring the unit in the easiest way ever.

### Features

- ◆ Easy configuration and management with password control for various application environments
- ◆ Efficient IP routing and transparent learning bridge to support
- ◆ Broadband Internet services
- ◆ Getting enhancements and new features via firmware upgrade(tftp/web)
- ◆ Built-in 4-port 10/100Mbps switch
- ◆ Web, Telnet supported
- ◆ Support IEEE802.1p with 6 – level Queue
- ◆ Support VLAN 802.1Q
- ◆ QoS data rate step by 64Kbps and up to full rate.
- ◆ Support storm control (unicast/broadcast/multicast)
- ◆ Support Static route, RIP I, RIP II, OSPF, BGP
- ◆ Support 4094 VLAN and VLAN ID and VLAN tag and remove features
- ◆ Support IEEE 802.3ah EFM bonding
- ◆ Support basic firewall configuration. Support IP / MAC / DNS filter.
- ◆ Support SNMP management with SNMPv1 / SNMPv2 agent and MIB II for connecting OAM system

## Specification

### ■ Physical interfaces

- 4 RJ45 ports for 10/100Mbps Ethernet LAN connection
- 4 RJ-11 ports for G. SHDSL connection
- 1 RJ-45 port for console port

### ■ G. SHDSL Specification

- Downstream and upstream symmetrical data rates up to 60M bps in EFM with four pairs DSL line for point-to-point connection
- ITU G.991.2 Annex A, B, F, G
- Line Code: TC-PAM 16/32/128
- EFM bonding and SHDSL M-pair mode for 1/2/4 pairs
- Fixed/ Auto rate negotiation: compliant G.994.1
- STU-C/STU-R mode selectable
- Impedance: 135 ohms
- Performance monitoring: (error seconds, severely error seconds, unavailability seconds)
- SNR /Attenuation Value calculation

### ■ Bridging

- IEEE 802.1D transparent learning bridge
- Up to 2048 MAC learning addresses

### ■ Router

- Static route, RIP I, RIP II, OSPF, BGP

### ■ Security

- Firewall, IP filter, MAC filter, Domain Name filter, Network Defense, SPI

### ■ QoS

- WRR (Weighted Round Robin), SPQ (Strict Priority Queuing)

### ■ ACL

- Layer2 ~ Layer4 - Mac address, VLAN ID, Ethernet Type, IP address, Port number

### ■ Storm Control

- Unicast, Multicast, Broadcast

### ■ Network Management

- Console port
- Web-based GUI for express setup, configuration and management
- Telnet
- Password protected management and access control list for administration
- SNMP management with SNMPv1/SNMPv2c
- Software upgrade via TFTP server, FTP, HTTP
- Supports in-band management (VLAN)

### ■ Certification

- CE,FCC,LVD

## ■ Hardware

Power Supply	Power adapter: AC 100~240V(50~60Hz)
LAN Port	RJ-45 x 4
WAN Port	RJ-11 x 4
Console Port	RJ-45 x 1
Operating temperature	0° to 45°C
Storage temperature	-10° to 70°C
Housing	Plastic case
Dimension	214mm x 141mm x 35mm (L x W x H)

