

SHDSL Modem router



Description:

TS101 SHDSL (Single-Paired High Speed Digital Subscriber Loop) router complies with G.991.2 standard with 10/100 Base-T auto-negotiation. It provides business-class, multi-range from 64kbps to 2.304Mbps payload rates over exiting single-pair copper wire. SHDSL routers are designed not only to optimize the service bit rate form central office to customer premises also it integrates high-end Bridging/Routing capabilities with advanced functions of Multi-DMZ, virtual server mapping and VPN pass-through.

The SHDSL router allows customers to leverage the latest in broadband technologies to meet their growing data communication needs. Through the power of SHDSL products, you can access superior manageability and reliability.

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

DMZ host/Multi-DMZ/Multi-NAT enables multiple workstations on the LAN to access the Internet for the cost of IP address

Fully ATM protocol stack implementation over SHDSL

PPPoA and PPPoE support user authentication with PAP/CHAP/MS-CHAP

SNMP management with SNMPv1/SNMPv2 agent and MIB II

Getting enhancements and new features via Internet software upgrade support SHDSL splitter

Routing:

- Support IP/TCP/UDP/ARP/ICMP/IGMP protocols
- IP routing with static routing and RIPv1/RIPv2 (RFC1058/2453)
- IP multicast and IGMP proxy (RFC1112/2236)
- Network address translation (NAT/PAT) (RFC1631)

- NAT ALGs for ICQ/Netmeeting/MSN/Yahoo Messenger
- DNS relay and caching (RFC1034/1035)
- DHCP server, client and relay (RFC2131/2132)

Bridging:

IEEE 802.1D Transparent Bridging

Security:

- DMZ host/Multi-DMZ/Multi-NAT function
- Virtual server mapping (RFC1631)
- VPN pass-through for PPTP/L2TP/IPSec tunneling
- Natural NAT firewall

Management:

Easy-to-use web-based GUI/DIP4 for quick setup, configuration and management

Menu-driven interface/Command-line interface (CLI) for local console and Telnet access

Password protected management and access control list for administration

SNMP management with SNMPv1/SNMPv2c (RFC1157/1901/1905) agent and MIB II (RFC1213/1493)

Software upgrade via web-browser/TFTP server.

ATM:

- Up to 8 PVCs
- OAM F5 AIS/RDI and loopback
- AAL5
- ATM QoS
- UBR (Unspecified Bit Rate)
- CBR (Constant Bit Rate)
- VBR-rt (Variable Bit Rate Real Time)
- VBR-nrt (Variable Bit Rate Non-real Time)
- AAL5 Encapsulation
- VC multiplexing and SNAP/LLC
- Ethernet over ATM (RFC 2684/1483)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)

PPP:

- PPP over Ethernet for fixed and dynamic IP (RFC 2516)
- PPP over ATM for fixed and dynamic IP (RFC 2364)
- User authentication with PAP/CHAP/MS-CHAP

Specification:**WAN Interface:**

SHDSL: ITU-T G.991.2 (Annex A, Annex B)

Encoding scheme: 16-TCPAM

Data Rate: N x 64Kbps (N=0~36, 0 for adaptive)

Impedance: 135 ohms

LAN Interface: 10 Base-T and 100 Base-T auto-negotiation

Hardware Interface:

WAN: RJ-11

LAN: RJ-45

DIP: 4PIN DIP for Rate Setup

RST: Reset Button for Factory Default

Indicators:

General: PWR

WAN: LINK, ACT

LAN: 10/100M/ACT, CPE, ALM

Physical/Electrical:

Dimensions: 21.5 x 4.2 x 20.9cm (WxHxD)

Power: 100~240VAC

Power consumption: 5 watts max

Temperature: 0~45°C

Humidity: 0%~95% RH (non-condensing)

Memory: 2MB Flash Memory, 8MB SDRAM