

# SHDTU03-ET10RS

## G.SHDSL Router with 4-port switching HUB

The SHDTU03 is a G.SHDSL (Single-Paired High Speed Digital Subscriber Loop) router which complies with G.992.2 standards and features a built-in four port 10Base-T /100Base-TX auto-negotiation and auto-MDIX switching HUB to meet enterprise and SOHO needs. It provides business-class, multi-range 64Kbps to 2.304Mbps payload rates over exiting single-pair copper wire. The SHDTU03 SHDSL router is designed not only to optimize the service bit rate from central office to customer premises but also integrates high-end Bridging/ Routing capabilities with advanced functions such as 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.

The SHDTU03 router provides not only advanced functions such as SPI, NAT, and DoS protection, but also serves as a powerful firewall to protect your network from outside intruders.

### Features

- Easy configuration and management with password control for various application environments.
- Efficient IP routing and transparent learning bridge to support broadband Internet services.
- Build-in advanced SPI (Stateful Packet Inspection) firewall
- Four 10/100Mbps Auto-negotiation and Auto-MDIX switching ports for flexible local area network connectivity.
- DMZ host/ Multi-DMZ/ Multi-NAT enables multiple workstations on the LAN to access the Internet for the cost of only one IP address.
- Full ATM protocol stack implementation over G.SHDSL
- PPPoA and PPPoE support user authentication with PAP/CHAP/MS-CHAP
- SNMP management with SNMPv1/SNMPv2 agent and MIB II
- Get enhancements and new features via Internet software upgrade

### Specifications

#### Routing

- Support TCP/ IP/ UDP/ ARP/ICMP/IGMP protocols
- IP routing with static routing and RIPv1 and RIPv2 (RFC1058/2453)
- IP multi-cast and IGMP proxy (RFC1113/2236)
- Network address translation and port address translation (NAT/PAT) (RFC1631)
- NAT/ ALG (Application Layer Gateway) for ICQ/Netmeeting/MSN/Yahoo Messenger
- DNS relay and caching (RFC1034/1035)
- DHCP server (RFC2131/2132)

#### Bridging

- IEEE 802.1D transparent learning bridge

#### Security

- DMZ host/ Multi-DMZ/ Multi-NAT functions
- Virtual server mapping (RFC1631)
- VPN server pass-through for PPTP/L2TP/IPSec tunneling
- Neutral NAT firewall
- Advanced stateful packet inspection (SPI) firewall
- Denial of service protection
- User access control; deny certain PCs access to Internet services

#### Management

- Easy-to-use Web based GUI for quick installation, configuration and management
- Menu-driven interface / command line interface (CLI) for local console and Telnet access management
- Password protected management and access control list for administration
- SNMP management with SNMPv1/ SNMPv2c (RFC1157/ 1901/1905)
- Software upgrade via Web browser and TFTP server



#### ATM

- Up to 8 PVCs
- UBR/VBR/CBR traffic shaping
- OAM F5 AIS/RDI and loopback
- AAL5

#### 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

- PPPover Ethernet (RFC 2516)
- PPP over ATM (RFC 2364)
- User authentication with PAP/CHAP/MS-CHAP

#### G.SHDSL

- SHDSL: ITU-T G.991.2 (Annex A, Annex B)
- Encoding scheme: 16-TCPAM
- Data Rate: N x 64Kbps (N=1~36)
- Impedance: 135 Ohms

#### Ethernet

- 4-ports switching hub
- 10Base-T and 100Base-TX auto-negotiation
- Auto-MDIX

#### Hardware Interface

- WAN: RJ-11
- LAN: RJ-45 x 4
- Console port/ RS232: DB9F

#### Indicators

- General: Power
- G.SHDSL: Link, Active
- Ethernet: 1, 2, 3, 4, Alarm

#### Physical/ Electrical

- Dimensions: 18.7 x 3.3 x 14.5cm
- (WxHxD)Power:100~240VAC (via power adapter)
- Power consumption: 6 watts
- Temperature: 0~45°C
- Humidity: 0%~95%RH (non-condensing)

#### Memory

- 2MB Flash Memory, 4MB SDRAM

**CTC**  
union **CTC Union Technologies Co.,Ltd.**  
ISO 9001

Tel:(886) 2 2659.1021  
Fax:(886) 2 2799.1355/ 2 2659.0237  
E-mail:info@ctcu.com  
http://www.ctcu.com