



## CT-320/CT-520 SDSL Modem/ Router

### Features and Benefits

- ❑ **Full remote control**  
Allows a DSLAM or remote SHDSL CPE (in point to point applications) to do remote management over an EOC (Embedded Operations Channel). This can be used to configure critical settings, such as IP addresses, or perform loopback tests. An installer or administrator can easily manage the near and far end, reducing the need for vendor truck roll, and end-user downtime.
- ❑ **Economic IP Sharing**  
The SHDSL router allows multiple users to access the Internet from a single ISP account. In addition, multiple IP mapping is provided.
- ❑ **Auto Configuration**  
The auto configuration function enables installers to configure all SHDSL CPE devices on the LAN, in one shot. After editing the script file in text format, installers just need to download it to the SHDSL CPE, simplifying configuration procedures.
- ❑ **Auto Upgrade**  
Upgrade all SHDSL CPEs on the LAN to the latest version in one shot, with the auto upgrade function. This feature saves time and labor.
- ❑ **Remote Upgrade**  
The remote upgrade capability allows users to get the latest version of software from the Internet, and saves vendors the need for truck roll.
- ❑ **Built-in PPPoE Function**  
With a built-in PPPoE function, the ISP/Carrier can provide PPPoE service without paying license fees.



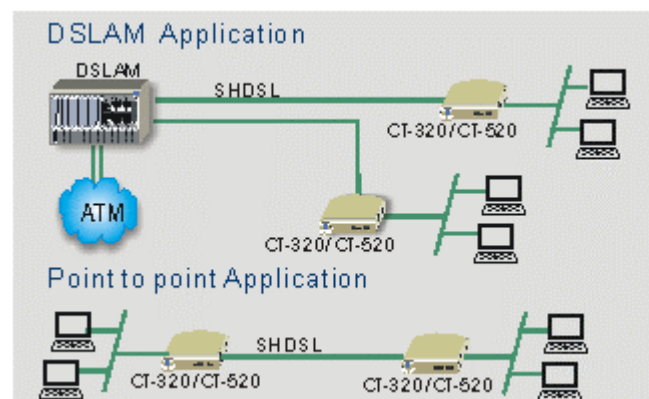
### Description

The CT-320 SHDSL modem and CT-520 SHDSL router are highly suited to the specific needs of multiple users in small/home offices, or remote/branch offices. They have a symmetrical transmission speed of up to 2.3 Mbps through a SHDSL connection, over one ordinary telephone line. In addition, they support up to 32 concurrent virtual connections to multiple destinations.

The CT-320 SHDSL modem and CT-520 SHDSL router can be used for a variety of applications, including video conferencing, remote training, Ecommerce, and other multimedia applications. Configuration and monitoring can easily be accomplished from a Web browser. Full remote control capabilities simplify management at both the near end, and the far end.

The CT-520 SHDSL router has full routing capabilities to segment/ route IP protocol and it is capable of bridging other protocols. It can also be configured in either server or client mode providing point-to-point connectivity between two sites. The Multi-NAT function, provides an economic way for IP address sharing for both DSLAM, and point-to-point applications.

### Applications Diagram



# CT-320/CT-520 SDSL Modem/Router

## Specifications

### WAN Interface (One SHDSL port)

SHDSL standard	ITU-T G.991.2 Annex A & Annex B
Encoding scheme	TC – PAM
Line rate	Per ITU-T G.991.2 (SHDSL)
Data rate	N x 64 Kbps, N =1 ~36

### Encapsulation

Multi-protocol over AAL5	RFC 2684 (RFC 1483)
PPP over AAL5	RFC 2364
IP over AAL5	RFC 1577
PPP over Ethernet	RFC 2516
IEEE 802.1q passthrough	Yes

### ATM Attributes

ATM service class	UBR /CBR / VBR
VCs	32
ATM UNI support	UNI3.1/4.0, ILMI
OAM F4 / F5	Yes

### Management

Console port	RS- 232 / DB-9
SNMP	Yes
Telnet	Yes
Web-based management	Yes
Fully remote control by EOC	Yes
Configuration backup and restoration	Yes
LED Indicators	Power, Alert, LAN status, SDSL status

### Local interface(One Ethernet port)

Standard	IEEE 802.3 10 Base-T
Transparent bridging and learning	Yes

### Routing functions (CT-520 only)

IP static route	Yes
RIP and RIPv2	Yes
ARP	Yes
DNS, NAT/PAT, DHCP/BOOTP	Yes
IGMP Proxy	Yes

### Security functions

Packet Filtering	Yes
PAP, CHAP	Yes

### Advanced functions (\*)

Stateful Packet Inspection, IPSec

### Power Supply

External power adapter	110 VAC or 220 VAC
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### Operating Conditions

Temperature	0 ~50 degrees Celsius
Relative humidity	5% ~ 90% (non-condensing)

### Dimension

200mm (W) x 40mm (H) x 140 mm (D)

Note: 1. Specifications are subject to change without notice.

2. (\*) Contact for availability



## COMTREND CORPORATION

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