

# CT-5241

## 4-wire G.SHDSL Router



### Description

The CT-5241 SHDSL router is highly suited to the specific needs of multiple users in small/home offices, or remote/branch offices.

The CT-5241 supports high-speed symmetric data transmission, and adaptive multiple data rates. Under 4-wire operation, the CT-5241 data rates can be up to 4.6 Mbps; and under 2-wire operation, the CT-5241 data rates can be up to 2.3 Mbps, over an ordinary telephone line.

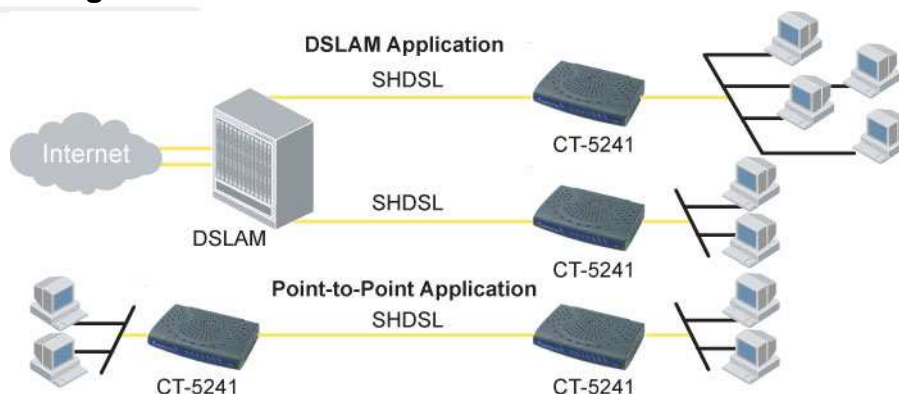
The CT-5241 support up to 16 concurrent virtual connections to multiple destinations. With an integrated 4-port 10/100 BaseT Ethernet switch, the CT-5241 enables up to four computers or devices to be directly connected, saving the cost and space of an external hub.

With routing and bridging functions, the CT-5241 provide a flexible and economic solution for multiple users in small offices and branch offices, to access the Internet and establish an Intranet through a single IP address. The routers can also be configured in either server or client mode providing LAN-to-LAN connectivity between two sites.

### Features

- Compliance with ITU-T G.991.2 (G.SHDSL) and G.994.1 (G.hs)
- 4-wire/2-wire operation with auto-detection or manual setting
- 4-port 10/100 Base-T Ethernet switch with MDI/MDIX
- Operates as a Bridge & Router
- Supports DHCP server, DHCP relay, and DNS proxy
- Virtual server with single port mapping
- Built-in SNMP for remote control
- Supports remote upgrades
- Supports DHCP client
- VPN Pass Through
- Virtual server with IP protocol mapping and Port range mapping
- Configuration backup and restoration
- RoHS compliant

### Applications Diagram



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### Specifications

#### Hardware Interface

DSL X1 for WAN, RJ-45 X 4 for LAN, Reset Button X 1, Power switch X 1

#### WAN Interface

SHDSL standard	ITU-T G991.2 / G994.1
SHDSL Line Interface	RJ-45
Encoding scheme	TC-PAM
Line rate	Per ITU-T G991.2 (SHDSL)
Data rate	N x 2 x 64 Kbps (4 wire), N=3~36

#### LAN Interface

Standard	
IEEE 802.3 10/100 Base-T/Tx	Auto-negotiation
Transparent bridge and learning	Yes

#### ATM Attributes

RFC 2684 (1483), RFC 2684 (1483),	RFC 2516, RFC 2364
VCs	16
AAL type	AAL5
ATM service class	UBR/VBR/CBR
ATM UNI support	UNI3.1/4.0
OAM	F4/F5

#### Management

Console port	RS232/DB9
SNMP	Yes
Telnet	Yes
Web-based management	Yes
LED Indicators	Power, LAN, SHDSL status, Power, Alert, LAN

#### Bridge Functions

Transparent bridging and learning	IEEE 802.1d
VLAN support	Yes
Spanning Tree Algorithm	Yes
IGMP Proxy	Yes

#### Routing Functions

NAT/PAT	Yes
IP static route	Yes
RIP and RIPv2	Yes
IGMP Proxy	Yes
VLAN	Yes
Mac Filtering	Yes
Packet Filtering	Yes
VPN Pass Through	Yes

#### Network Functions

ARP	Yes
DNS, NAT/PAT, DHCP/BOOTP	Yes
PAP, CHAP	Yes

#### Power Supply

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

Operating temperature	0~50 degrees Celsius
Relative humidity	5~95% (non-condensing)

#### Dimensions

205mm(W) x 47mm(H) x 145 mm(D)

#### Weight (1\*CT-5241, 2\*RJ45 cables, 1\*power adapter, 1 CD-ROM)

1.2 KG

Note: Specifications are subject to change without notice.

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