

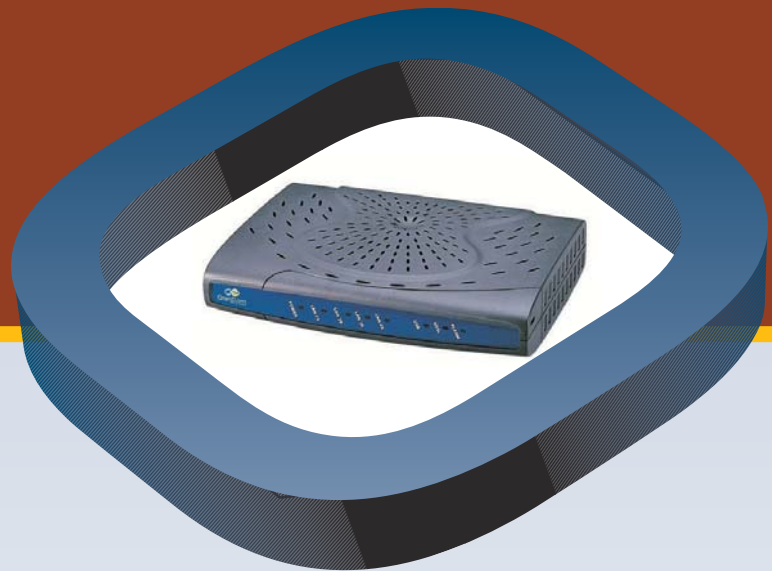
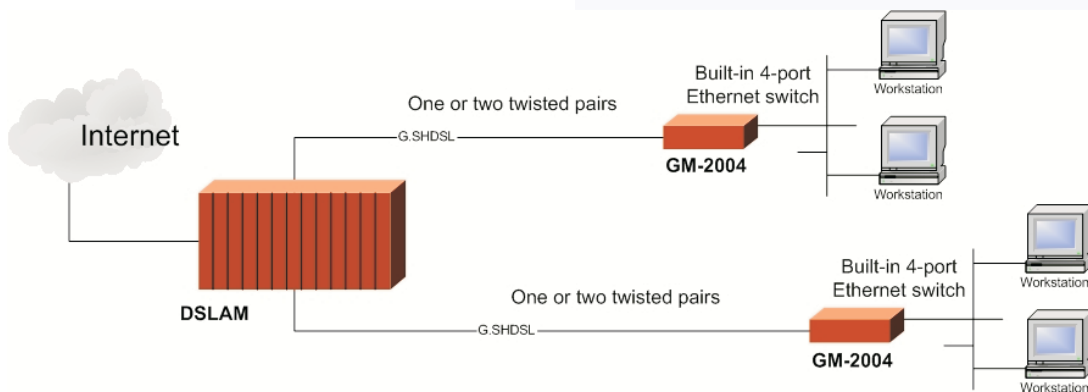
# GM-2004RT

## G.SHDSL router

### Description

The GM-2004 SHDSL router is highly suited to the specific needs of multiple users in small/home offices, or remote/branch offices. The GM-2004 supports high-speed symmetric data transmission, and adaptive multiple data rates. Under 4-wire operation, the GM-2004 data rates can be up to 4.6 Mbps; the GM-2004 data rates can be up to 2.3 Mbps over an ordinary single telephone line. The GM-2004 supports up to 16 concurrent virtual connections to multiple destinations. With an integrated 4-port 10/100 BaseT Ethernet switch, the GM-2004 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 GM-2004 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.

### DSLAM application



### Features

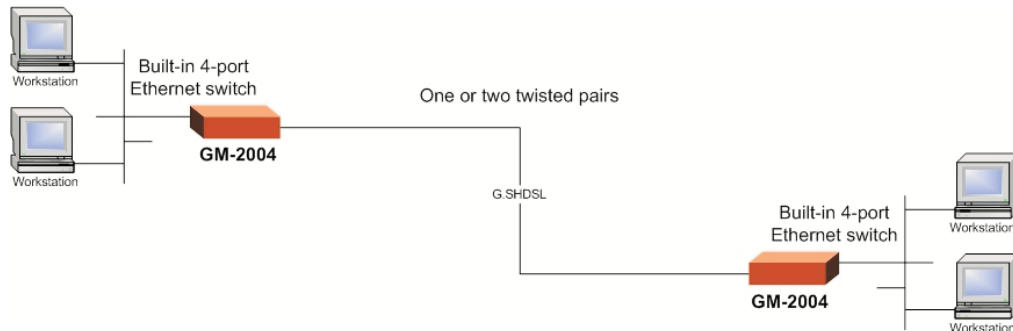
- ✓ Compliance with ITU-T G.991.2 (G.SHDSL) and G.994.1 (G.hs)
- ✓ 4-wire/2-wire operation with auto-detection or manual setting
- ✓ Auto-negotiating rate adaptation or Fixed Rate mode
- ✓ 4-port 10/100 Base-T Ethernet switch with MDI/MDIX
- ✓ Operates as a Bridge & Router
- ✓ Supports DHCP server, DHCP 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



# GM-2004RT

## G.SHDSL router

### Point-to-point application



### Product Specifications

#### 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) or N x 64 Kbps (2 wire), N=3~36

#### Encapsulation

Multi-protocol over AAL5	Bridged RFC 2684 (1483)
Multi-protocol over AAL5	Routed RFC 2684 (1483)
PPP over Ethernet	RFC 2516
PPP over AAL5	RFC 2364

#### ATM Attributes

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

#### Local Interface

Standard	IEEE 802.3 10/100 Base-T/Tx (4 ports) Auto-negotiation
Transparent bridge and learning	Yes

#### Routing functions

NAT/PAT	Yes
IP static route	Yes
RIP and RIPv2	Yes
IGMP Proxy	Yes
VLAN	Yes

#### Security functions

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
Frequency	50/60 Hz

#### Environmental Conditions

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

#### Dimensions

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

