

G.shdsl Family

G.shdsl Family Overview

PRODUCT	GOWIDE 2.3 BRIDGE/ROUTER	GOWIDE 4.6 BRIDGE/ROUTER	GOWIDE 9.2 BRIDGE/ROUTER	GOWIDE 18.4i MULTILINK ACCESS CONCENTRATOR
ADAPTIVE DATA RATE	64 Kbps to 2.3 Mbps	64 Kbps to 4.624 Mbps	64 Kbps to 9.248 Mbps	64 Kbps to 15 Mbps
BRIDGE	Yes	Yes	Yes	Yes
IP ROUTING	Yes	Yes	Yes	Yes
GATEWAY	Yes	Yes	Yes	Yes
ATM	Yes	Yes	Yes	Yes
G.SHDSL PORTS	1	1	4	8
G.SHDSL 4-WIRE MODE	No	Yes	No	No
IMA SUPPORT	No	No	Yes	No
BONDING	No	No	No	Yes
ETHERNET PORTS	1 10BaseT	4 10/100BaseT	4 10/100BaseT	1 10/100BaseT
SWITCHING HUB	No	Yes	Yes	No
CONSOLE PORT	No	Yes	Yes	Yes
T1 VOICE	No	No	No	4
T1 DATA	No	No	No	4
T3 DATA	No	No	No	1
REMOTE MANAGEMENT	Yes	Yes	Yes	Yes
FIREWALL	Packet filtering, NAT, NAPT	Packet filtering, NAT, NAPT	Packet filtering, NAT, NAPT	Packet filtering, NAT, NAPT
VPN	PPTP	PPTP	PPTP	PPTP
DIMENSIONS (CENTIMETERS)	20.3 cm x 15.2 cm x 3.8 cm	30.5 cm x 21.3 cm x 4.4 cm	30.5 cm x 21.3 cm x 4.4 cm	44.2 cm x 26.9 cm x 4.4 cm
DIMENSIONS (INCHES)	8" x 6" x 1.5"	12" x 8.4" x 1.75"	12" x 8.4" x 1.75"	17.4" x 10.6" x 1.75"
AVAILABILITY	Now	Now	Now	3Q'02

G.SHDSL MAJOR APPLICATIONS

- Internet/Intranet access
- LAN-to-WAN Connectivity
- Campus Applications
- LAN-to-LAN Connectivity
- Video Conferencing
- Distance Learning
- Voice over IP

G.shdsl is an international standard (ITU G991.2) that provides 2.3 Mbps and higher bandwidth over standard copper infrastructure and delivers voice and data services based on highly innovative communication technologies and will thus be able to replace older communication technologies such as T1, E1, HDSL, HDSL2, SDSL, ISDN, and IDSL. G.shdsl targets the small and medium size enterprise. Multiple telephone and data channels, videoconferencing, remote LAN access, and leased lines with customer-specific data rates are among its many exciting characteristics. Spectrally friendly with other

DSLs, baseline G.shdsl supports symmetric data rates varying from 64 Kbps to 2.320 Mbps and greater across distances than other technologies.

Symmetricom offers the industry's widest product line supporting the G.shdsl standard. The GoWide family of bridge/routers and IADs provides data rate capability of 2.3, 4.6, 9.2, and 15 Mbps. The GoLong G.shdsl loop extender system effectively doubles the reach of G.shdsl services.

Symmetricom's GoLong G.shdsl Loop Extender System extends the effective range of G.shdsl circuits. This allows Network Service Providers to offer high-speed (2.3 Mbps) G.shdsl service at more than double the service coverage area. The GoLong G.shdsl Loop Extender consists of a Line Power Shelf, Two-Port Line Power Cards (SLE-C), G.shdsl Repeaters (SLE-R), and an Alarm Card (SLE-A).

GoWide and GoLong design, manufacturing, and support are performed entirely by Symmetricom, a recognized leader in Network Synchronization and Timing. Symmetricom's manufacturing facilities are fully ISO 9001 certified and meet Telcordia GR-2981 CORE requirements. In addition, these products are backed by Symmetricom's world-class Customer Assistance Center (CAC) in the United States and the United Kingdom.

The CAC is capable of delivering 24/7/365 technical support coverage in over 90 countries throughout North America, South America, Europe, Asia, and Africa.

GOWIDE FAMILY KEY FEATURES

- 3 Products in 1: Bridge, Router, Gateway
- DHCP and DNS support
- ATM support with PPPoA/IPoA/RFC1483/PPPoE
- Basic Firewall protection
- Virtual Private Networks Support
- Web-based Management
- Local and Remote Administration and Firmware Upgrade
- Compatible with major DSLAM manufacturers who support the G.shdsl standard and ATM QoS



FIG.1 GoWide 2.3



FIG.2 GoWide 4.6



FIG.3 GoWide 9.2



FIG.4 GoWide 18.4i

GOLONG LOOP EXTENDER SYSTEM KEY FEATURES

- Fully compliant with the international G.shdsl (ITU-T G.991.2) standard
- Interoperable with any ATM-based G.shdsl compliant DSLAM and CPE device
- More than double the reach of a single G.shdsl copper pair
- Span or local powered
- Auto rate adjustment
- Mounting flexibility allows for either wall or pole mounting, indoors or outdoors
- Tamper-resistant and water-resistant
- Lightning protection
- Rugged, durable design for use at -40° to +65°C [-40° to +149°F]



FIG.5 GoLong Line Power Shelf with Line Power Cards and Alarm Card installed



FIG.6 GoLong Repeater



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