

G.SHDSL GDB series

XL-GDB-101E modem / convertor E1 line to one pair wires G.SHDSL

XL-GDB-102E modem / convertor E1 line to two pair wires G.SHDSL

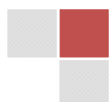
Overview

Comparing to two-copper-pair & fix rate of HDSL transmission system, the MSDSL (Multi-rate Symmetrical DSL) can transport a variety of speed over one pair of copper wire. For N*64 kbps broadband data service, the MSDSL has the benefit of cost saving and longer transmission distance. The rate of payload on the line can range from 128 kbps to 2048 kbps and the data rate for network interface is N*64 kbps. Rate-adaptive feature let the equipment to fit different line conditions. The maximum reach can be longer than 8 Km by using 0.5mm (AWG 24) twisted pair. The GDB series supports variety of network interfaces including X.21, V.35, RS-449, EIA-530, Ethernet Bridge, T1 or E1, so it can satisfy different applications such as GSM networking, LAN extension, Internet access, video conference, T1 and E1 transmission.

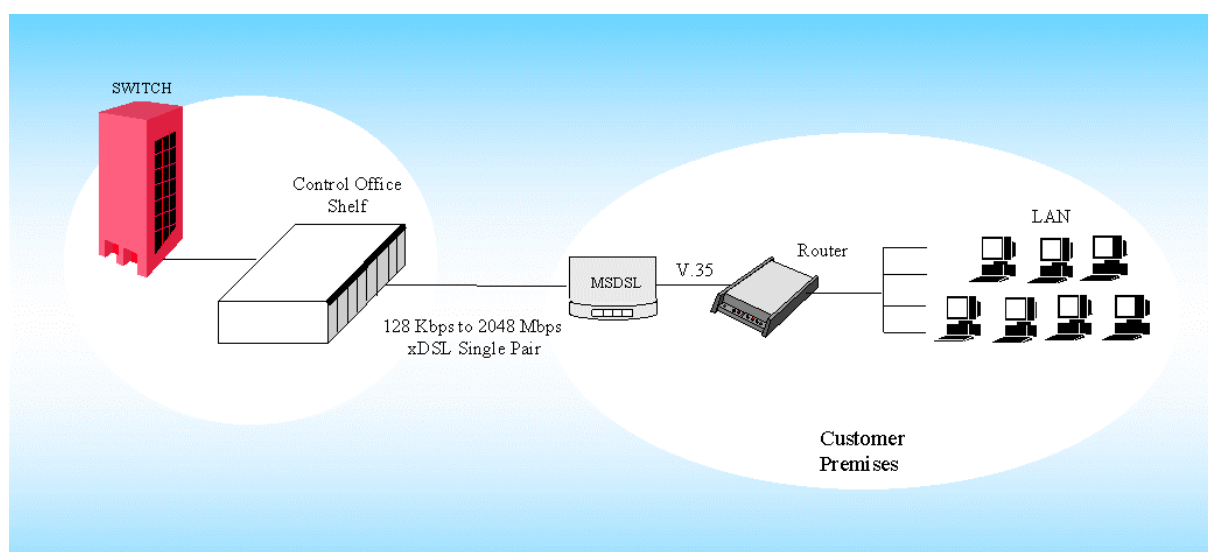


Features

- One of the equipment with best transmission capability in xDSL series of products
- Shelf type equipment for “Star” topology networking
- Standalone type equipment for “bus” topology (including point-to-point) networking
- Centralized Network Management System in Shelf type equipment
- LCD panel on standalone model for handy operation
- Upgrade of software and firmware can be done by download
- On-line performance (line error) monitoring
- Self-test, Loop-back and QRSS testing features for on-site trouble shoot



Application



Specification

MDSL Loop	Number of copper wire Line code Line Rate Line Impedance Bandwidth Transmit power Reach Connector	One pair CAP 144-2064Kbps 135 ohms 4-400 KHz 7.4-13dBm 2.7-60Km 0 4mm or 26AWG) RJ-48
T1 Interface	Line Rate Line code Frame format Data rate Line Impedance Line Build Out Connector	1 544 Mb/s +/-32 PPM AMI or B8ZS SF or ESF N*64K 1<=N<=24 100 ohms 0-655 feet DB-15 and convert to RJ-45 or terminal block
E1 Interface	Standard Compliance Line code Frame format Line rate Data rate Line Impedance Connector	ITU-TG703/G 704 HDB3 Framed or Unframed 2 048+/-50PPM N*64K 1<=N<=32120 or 75 ohms DB-15/BNC
High Speed Data Interface	Data Rate Interlace	N*64K. 1<=N<=32 V.35, X 21, EIA-350, RS-449
Ethernet Interface	Remote Bridge IEEE 802.3 Compatible UTP LAN(10 Base) 10,000 Address LAN Table 256 frames buffer 15,000 PPS Filtering Automatic LAN Table Learning and aging	
Power Requirement	-36 ~72 VDC for shelf type -36 ~72 VDC or 90-260 VAC for standalone type	
System Management	LCD Panel, VT-100 ASCII Terminal, GUI based	
Safety and EMI/EMC	FCC Part 68, FCC Part15,CE	
Environment	Temperature Humidity	0-60°C 5%-95%

