

LAN Extender

TECHNICAL SPECIFICATIONS

G.SHDSL LINE INTERFACE

- Line type : 2Wire (single pair operation)
- Line Code : TCPAM as per the ITU-T G991.2
- Line Impedance : 135 Ohms
- Connector : RJ45
- Transmit Signal Power : 3.5dBm +/- 0.5dBm
- Operating Range : 6Km on 0.5mm dia copper cable @ 2.048Mbps in 2 wire operation, 7.5Km on 0.5mm dia copper cable @ 2.048Mbps in 4 wire operation and 11Km on 0.5mm dia copper cable @ 64Kbps in 2 wire operation.
- Auto adjustment of operational speed, depending upon line condition.
- Line protection : As per ITU-T K20 and K21
- Transmit Level : Upto 14dBm
- Line Code transmission
- Specification : ANSI T1.601
- Connector : RJ 45 and 3 Pin terminal Block.
- Supports speed of 144Kbps for distance coverage upto 8 K.M on 0.5mm dis single pair.

ETHERNET INTERFACE SPECIFICATIONS

- No. of Ethernet ports : 4 (4 Port Switch), RJ45 connectors for UTP cables
- Interface Compliance : IEEE802.3 Compliant
- 10Base-T and 100Base-TX support
- 2 K MAC address level filtering
- Transparent Ethernet Bridge, Auto learning and aging
- Auto Speed Sensing
- Auto polarity detection
- Ethernet Ports Enable / Disable Selection.
- Support VLANs.



DIAGNOSTIC TESTS

- Local Loopback, Digital Loopback and Remote Loopback as per the V.54
- Built in test 511 pattern generation and checking.
- Diagnostics & Monitoring through EOC Channel without interfering data transmission.
- Loop backs, test pattern generation and checking using front panel switches.
- SNMP Management Port & TELNET.
- **BUILT-IN POWER** : 230V +/- 10% A.C., 50Hz Power Supply
Ordering time option for -48VDC Power Supply.
- **TEMPERATURE** : 0 To 45°C

MODEM CONFIGURATION

- Management port operating speed 11500, No Parity and stop Bit.
- Loop back, pattern generation, configuration and status monitoring shall be through switches and also through SNMP(Simple Network Management Protocol) and TELNET using Ethernet Management port.
- **LED INDICATIONS** : PWR, MR, COT, DSL LINK, ETH LINK ACT, SPD, PAT, ERR, TST, NMR
- **HUMIDITY** : Upto 95% non condensing at 35°C

TEC Approval : As per IR/DCA-18/04. Oct 2005

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FEATURES

- Embedded Operational channel(EOC) for controlling and monitoring remote unit
- Provides multi stage line protection as per K.20 and K.21
- External Secondary optional Line Protection Device
- Long reach up to 11Km for standard 64Kbps speed
- Interchangeable user interface cards in the same modem and field upgradeability
- User interface cards can be ordered optionally depending on the field requirement
- Visual indications to know the status of Line, Ethernet and Power.
- Noise Margin Indication for sensing line quality
- Status monitoring using SNMP & TELNET
- Rugged Metallic Aluminum casing
- AC and DC built-in power supply

APPLICATION DIAGRAM

