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Solutions in Connectivity
An ISO 9001 : 2008 Company

TEAMLINK 3004 SHDSL

4Wire G.703 G.SHDSL Modem

FEATURES

- Configuration Through DIP Switches
- Provides multi stage line protection as per K.20 and K.21
- External Secondary optional Line Protection Device
- Long reach up to 11Kms. for standard 64Kbps speed
- LED Indications for easy Monitoring
- Front Panel Switches for Diagnostics or Loopbacks
- Supports 230V AC and 48V DC with the Same Socket
- Works from 64Kbps to 2048Kbps insteps of 64Kbps speeds

TECHNICAL SPECIFICATIONS

G.SHDSL LINE INTERFACE

- Line type : 2 or 4 Wire twisted copper wire of 0.5mm Diameter
- Line Code : TCPAM as per the ITU-T G991.2 (Annex –A and Annex –B)
- Bandwidth : Operates From 64Kbps to 2048Kbps
- Line Impedance : 135 Ohms
- Transmit Signal Power : 16 dBm +/- 0.5dBm
- Operating Range in 2 Wire : 6 Kms. on 0.5mm diameter copper cable @ 2.048Mbps data rate
- Operating Range in 4 Wire : 8 Kms. and Above on 0.5mm diameter copper cable @ 2.048Mbps data rate
- Operating Mode : 2Wire or 4 Wire selection through DIP switches
- Line protection : As per ITU-T K20 and K21
- Transmit Level : Upto 16dBm
- Connector : RJ 45
- Surge Protection : Internal and Optional External Surge Protection

Clocking Mode

- External (Recovered from the E1 Interface) , Internal , Recovered From DSL Line

G703 E1 INTERFACE SPECIFICATIONS

- Interface : E1 Interface (4 wire) as per CCITT G.703, G.704
- Framing : As Per ITU-T G.703 and G.704 Framed and Unframed Operation (Supports PCM31 and PCM30 with the CRC Enable and Disable Operation)
- Line Code : HDB3
- Speed : 2.048 Mbps (n*64), N=1 to 32)
- Impedance : 120 Ohms (Balanced), Optional : 75 Ohms (Unbalanced)
- CRC : CRC-4 Generation and Checking
- Transmit Clock Mode : Internal clock or G.703 Recovered clock/Recovered from line
- Timeslot Selection : Programmable Time slot selection
- Connector : RJ45

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DIAGNOSTICS

- Local Loopback, Digital Loopback and Remote Loopback as per the ITU-T V.54 standard
- All loop back tests and BERT should be operated through Front Panel switches
- Built in test 511 pattern generation and checking (BERT) for the DSL Line as well as the PCM E1 Checking
- End to End Diagnostics and Status Monitoring is through the Embedded Operation Channel EOC without Interrupting the Data

MODEM CONFIGURATION AND STATUS MONITORING

- Modem Configuration Through Dipswitches

MODEM LED INDICATIONS

- PWR, MR, COT, DSL LINK, G703SYNC, AIS, PAT, ERR, TST

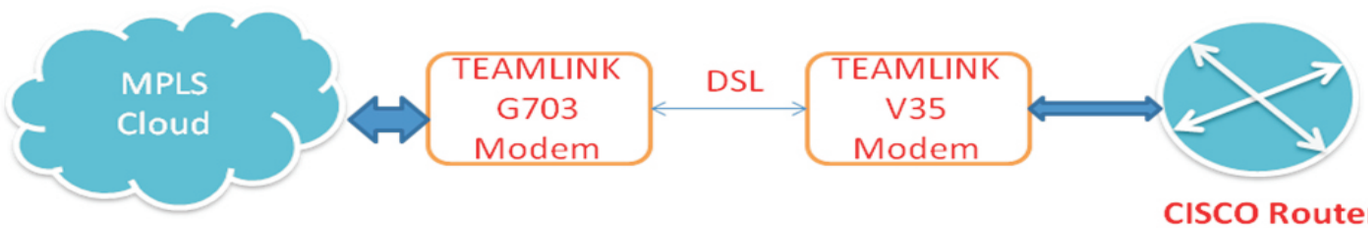
POWER SUPPLY FOR BOTH THE G703 AND V35 MODEM

- DUAL MODE AC/DC, 230VAC +/- 10% & –48VDC +/-10%

TEMPERATURE : -5 To 60°C

HUMIDITY : Upto 95% non condensing

LINE PROTECTION : As per ITU K.20/K.21



TEAMLINK G703 and V35 Modems Application Diagram

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