TEAMLINK 5009
BRIDGING TERMINAL SERVER

TEAMLINK Bridging Terminal server is a versatile and high performance system that provides the 4/8/16 asynchronous RS232 Ports, One Console Port and Four Port Built-in Ethernet switch. It enables the users to remotely login the system using the rlogin and Telnet and TCP/IP Network over the V.35 Interface

Features

- ❖ Connecting the RS232 Terminal Ports using the TCP/IP protocols
- ❖ Connecting through the Telnet and Remote Login using the TCP/IP Protocols over the 10/100 Mbps Ethernet Interface
- ❖ Connecting the Remote Host systems after power on using the implicit connections
- ❖ 15KV ESD Protection on each Terminal port for the Rugged Operating conditions
- ❖ Configuration and status Monitoring from menu driven console and Telnet port with the multiple telnet sessions
- ❖ 1500V AC Isolation protection on each Terminal port
- ❖ Supports Answer back codes on each terminal port
- ❖ Supports Answer back code Enable and Disable Facility for each Terminal Port
- ❖ Supports TCP Client and Server, Telnet client, Server and Rlogin client Options
- ❖ Implicit, Fixed, switched Mode of configuration on each Terminal Port
- ❖ Domain Name Service Facility enables flexible host name to IP address mapping from DNS servers
- ❖ Facility to switchover from One server to another server in case of failure
- ❖ The unit works in PRS/UTS environment of Indian Railways
- ❖ The unit can be used as a local Terminal Server for RS232 and Ethernet DTEs or as a Remote Terminal Server with Bridging for RS232 and Ethernet DTEs

Technical Specifications

Terminal Ports

- ❖ Number of Ports: 4/8/16
- ❖ Compliance :RS232 Asynchronous
- ❖ Connector Type: RJ45 with the TXD, RXD, GND signals
- ❖ Terminal Port Speed : Speed 4800 bps to 115200 bps (Selectable)
- ❖ Indications: Transmit and Receive for each Port
- ❖ Implicit or switched Mode of connections between each Terminal port and the Host.
- ❖ Supports Multiple Sessions and Each Terminal Port supports 8 sessions
- ❖ Allows the switching between multiple sessions
- ❖ Status Display of Each Terminal Ports for the Sessions status and current sessions
- ❖ Ports Statistics (Over run errors, Parity Errors etc)
- ❖ 1500 VAC Isolation Protection on each Terminal Port

Protocols Supported

- ❖ TCP, IP
- ❖ ARP, RARP,TFTP
- ❖ ICMP, IGMP
- ❖ PPP,RTP
- ❖ Supports WAN Protocols SLIP, CSLIP
- ❖ TELNET Client, RLOGIN Client, TCP Client, TELNET Server B12TCP Server

Ethernet Port Specifications

- ❖ Built in 4 Port Ethernet Switch
- ❖ Supports Auto negotiation on each port
- ❖ Supports 10 Mbps and 100 Mbps speeds according to the ITU-T 802.3 u
- ❖ 10Mbps / 100Mbps ports 10/100 Base T, Half Duplex / Full Duplex Flow control Operation
- ❖ Compliant to IEEE802.3 and IEEE802.3 u, IEEE802.3x 100 Base-TX standards
- ❖ Supports Auto Cross Over and Auto MDI-X Option
- ❖ RJ 45 Connector
- ❖ Having the Speed and Ethernet Link/ Activation (Data Traffic Activity) on Each Port for easy visual checking of the port speed and Link status
- ❖ Port Statistics : Transmit and Received packets Transmit and Received errors
- ❖ Port Status : Port Name, Link-Up/Down/Disable speed, Half/Full duplex

V35 PORT Specifications

- ❖ No. of Bridging Ports : 1
- ❖ Interface Type : V35 Interface for connecting to external leased line Modem (MLLN or traditional)
- ❖ Connector Type : DB25 Pin/V35 Connector
- ❖ Data Rate Supported : Supports Nx64 Data Rate from 64 Kbps to 2048Kbps
- ❖ Speed : 64K bps to 2 Mbps
- ❖ Speed Adopted to the Clock Rate of the V35 Interface. Does not require the speed configuration to the V35 Interface
- ❖ Indications : DTR,RTS,DSR,CTS
- ❖ Receive Clock Polarity change Option for the compatibility with different makes of V35 Modems
- ❖ Transmit, Receive, Link status

Management

- ❖ Configuration and Status Monitoring of the Terminal Server using Menu driven console or by TELNET over the network Supervisory using the 9.6Kbps, 8Bit no parity RS232 Port
- ❖ The RS232 Console/ Supervisory is compliant with the ITU-T V.24 / EIA RS232 Asynchronous Format
- ❖ Allows Multiple Telnet sessions for the concurrent Operations from different administrators
- ❖ Menu based, Self guided Password Protection on the console and Telnet to prevent the unauthorized person's login into the terminal servers
- ❖ Firmware Up gradation using the FTP Protocol
- ❖ Local Prompt on each Terminal Port
- ❖ Character Format : Min 4800 bps to Max 115200 bps (Selectable)
- ❖ Connector : RJ-45 Socket
- ❖ Supports SNMP V1 and V2

Diagnostics

- ❖ Port Level Statics, Diagnostics & Monitoring facility
- ❖ Port reliability feature
- ❖ Sending the Message on Terminal Ports
- ❖ Port Level Error statistics Parity Errors, Over Run Errors etc
- ❖ Trace Route from Console and each Port for easy checking of the Ethernet connectivity from Terminal server to the Remote Host
- ❖ Ping facility from Terminal Ports

Front Panel Indications

- ❖ Transmit and Receive on each RS232 Terminal Port
- ❖ Link and Speed on each Ethernet Port

Power Supply

- ❖ 190V AC to 270V AC Operation
- ❖ 47Hz to 53Hz Frequency
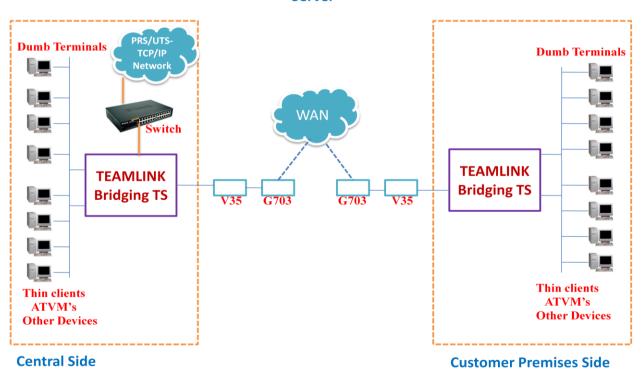- ❖ Redundant Power supply is an ordering time Option

Environment

- ❖ Operating Temperature   : -5 to +55°C
- ❖ Operating Humidity   : 5% to 99%

Casing

- ❖ Rugged Metallic Aluminum Casing
- ❖ 19" Rack Mountable system 1U Height

Application Diagram of Bridging Terminal Server