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TLXIII TURBO

Telex and Data Switch

- **Designed to inter-work with or replace existing Telex and Data Switches**

- **Multi-Protocol support for migration to higher speed services**

- **SNMP Manageable**

- **Feature rich Telex support**

- **Ethernet 10Base-T port for IP network connectivity**

- **Scales to over 10,000 subscriber connections**

- **Extensive call detail records for billing and diagnostics**

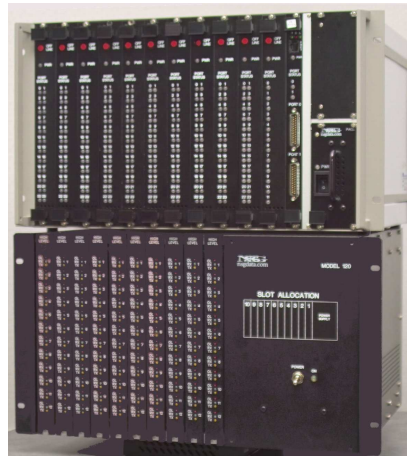- **Current Loop, FSK, and V.28/V.24 line interfaces**

The TLXIII Telex and Data Switch is a highly reliable, field proven telecommunications common carrier system designed to interwork with or replace existing telex and data switching networks throughout the world. Created to meet the demands of a modern telecommunications administration demanding the support of the existing telex network, and satisfying requirements for providing data services via the X.25 or IP data networks.

Serving as a multi-protocol stand-alone telex switching system, an international gateway exchange and/or concentrator, the TLXIII supports telex-to-asynchronous PAD, telex-to-X.25 real-time connections and telex to IP. These inter-working gateway features allow telex, packet network and IP traffic to be transported smoothly from one network to another, transparent to the end users of either network.

Administrators can employ the TLXIII Telex and Data Switch's flexible design to migrate subscribers from 50 baud telex service up to 300 to 64Kbps data service. The same pair of wires and switch port can be used, requiring only a change of the central site "modem," subscriber terminal equipment and the port's configuration.

Operating as a packet switch, the TLXIII meets and exceeds ITU X.25 recommendations. The system offers economical switching telex and data at capacities of more than 10,000 terminations. Distributed processing provides the system with added flexibility and more computing power per termination.

Housed in standard 19-inch enclosures, a system control cabinet contains the switching nodes and the terminal node cabinets house the terminal nodes, providing up to 1200 ports per cabinet. Multiple cabinets are used to build larger nodes.
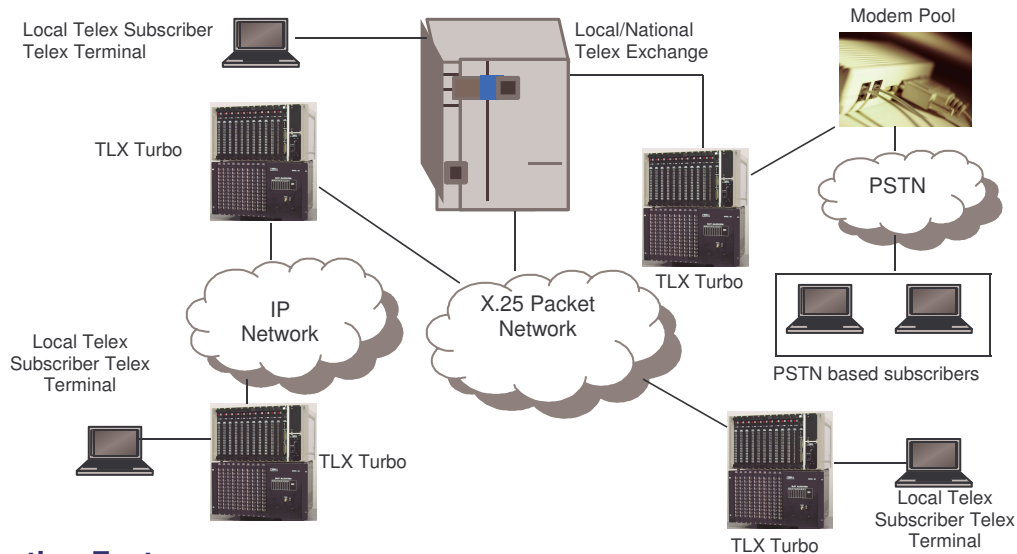

Communication solutions from

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Product Features

IP Features

- 10-Base-T TCI/IP Ethernet Interface
- RFC1490 IP over Frame Relay
- RFC1613 X.25 over IP
- IP Routing
- RIP (Version 1)
- Static Addressing
- X.121/Frame Relay/PPP to IP address mapping
- Telnet (Client and Server)
- SNMP Management

System Features

- Access Control Categories
- Automatic Call Redirection
- Barring
- Central Time Keeping System
- Closed User Groups
- Configurable PTS to include:
- Date, Time Serial Number and Text
- Date/Time and AAB Processing
- Forced Release
- Number Change (NCH)
- Overnight Answerback Test
- Password Security for MMI
- Redundancy
- Regeneration
- Selective Line Monitoring
- Telex Intercept Processing
- Test Message FOXER
- User Friendly Man/Machine Interface

Routing Features

- Alternate Routing
- Alternate Routing on Receipt of Service Message
- Area Code Tables (5)
- Area Code Translation—Deletion/ Addition
- Pick-a-Trunk
- Rotary of Route Selection
- Trunk Group Routing

Subscriber Features

- Abbreviated Selection by Port/ Subscriber
- Abbreviated Selection Global "ALIAS"
- Absent Subscriber Indication
- Announcement Service
- Automatic Advice of Duration
- Automatic Call Forwarding
- Broadcast Calls
- Camp On (Automatic Retry)
- Collective = Subscriber PBX Group
- Date and Time Indication at Call Connect
- Departmental Billing
- Direct Call/Hotline
- Five Character Disconnects
- Follow-on Calls
- Information Service (Optional)
- Selection Error Correction
- Silent Call (IDLE) Monitoring
- Time of Delivery Indication

Reporting Features

- Alarm Reports
- Call Logging
- Dynamic System Status Monitoring

Signaling Features

- False Call Rejection
- Printed Service Messages
- Special Service Position(s)
- Trunk Retest
- Two and Four Wire Neutral/Polar*
- FSK Subscriber*
- Type U.11 C Signaling
- Type CCITT U.1 A and B Signaling

Interfaces and Voltages

Size: 19" Rack Mountable
10 1/2" H x 19" W x 16" D
Input Power:
100-250 VAC, 47-63 Hz or 44-64 VDC, 200 Watts
Heat: 700 BTUs per fully loaded system
Line Interface:
V.28/V.24 EIA RS-232C Standard
*Optional external line converter for:
V.21/Bell 103
+/- 65 VDC Current Loop
Internal or External Loop Battery Supply

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Specifications subject to change without notice