TURBO

T-Turbo

T-Turbo – Telex to IP Router

- *Direct Telex to IP conversion Router*

- *V.21 FSK Telex interface*

- *Serial PPP or Ethernet TCP/IP network connection*

- *User Authentication*

- *Widely installed proven Turbo Technology*

- *SNMP manageable*

- *Scalable to over 10,000 subscriber connections*

- *Extensive Call Detail Records for Billing and Diagnostics*

The *T-Turbo* from NSGDatacom is a Telex to IP Router that allows a conventional Telex machine to connect to the Telex network via an IP network connection. Based on highly reliable field proven *Turbo* technology installed in many PTT's throughout the world for over a decade, the *T-Turbo* is designed to meet the demands of a modern telecommunications administration required to support legacy Telex messaging via private or public IP connections.

The *T-Turbo* Telex to IP Router is a single user desk-top unit that connects directly to the V.21 FSK interface of a conventional Telex machine. The network port can be either an Ethernet (IP) or a serial asynchronous PPP, fixed or dial-up connection.

Administrations can use the *T-Turbo* to migrate subscribers from dedicated dial-up connections and merge transport with modern IP services, while retaining the use of existing Telex machines and avoid the need for a dedicated PC and software package. The *T-Turbo* is highly reliable, simple to install, and operates completely transparently to users, avoiding any need for special training.

The *T-Turbo* works in conjunction with NSGDatacom's *TLXIII* Turbo, which can be located at the Carrier's location of choice to provide security and gateway functions between the IP world and the global Telex network. Both the *T-Turbo* and *TLXIII* Turbo are fully SNMP network manageable, capable of remote configuration and management with extensive call detail records for billing and diagnostic purposes. Operational firmware in all units can be upgraded over the network.

Communication solutions from

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Product Features

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

System Features
- Central Time Keeping system
- Closed User Groups
- Configurable PTS to include:
- Date, Time, Serial Number and Text
- Date, Time and AAB Processing
- Forced Release
- Password Security for MMI
- Regeneration
- Text Message FOXER
- User Friendly Man/Machine Interface

Subscriber Features
- Abbreviated Selection
- Absent Subscriber indication
- Automatic Advice of Duration
- Broadcast Calls
- Camp on (Automatic retry)
- Date and Time indication at call connect
- Departmental Billing
- Direct Call/Hotline
- Five Character Disconnects
- Follow-on Calls
- Selection Error Correction
- Silent Call (IDLE) Monitoring
- Time of Delivery Indication

User settings
- Modem options for Serial port
- Speed 1200 to 38.4 Kbps Asynchronous
- Data Bits 7, 8
- Parity: Even, Odd, None
- Stop Bits: 1, 1.5, 2
- Modem Init String
- Modem Dial String
- Answer Wait time: 1-30 sec in 1 sec increments

Administrative Options
- DTR/DCD Handshake
- Incoming call message
- Outgoing message
- Network User ID (NUI)
- Logon with NUI required
- TCP configuration

Reporting Features
- Alarm Reports
- Call Logging

Signaling Features
- False Call Rejection
- Printed Service Messages
- FSK Subscriber

Security
- IP Authentication
- Call Setup Authentication
- Unit Authentication
- Answerback Authentication
- MMI User password

Interfaces and Voltages
- **Size:** Desktop unit 5.5" W x 1.375" H x 3.75" D
- **Input Power block:** 100-250V AC, 47-63Hz, 10 Watt
- **Serial Interface:** RJ45 V.28/V.24 EIA RS-232C Standard
- **Telex Interface:** RJ11 V.21/Bell 103

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Specifications subject to change without notice