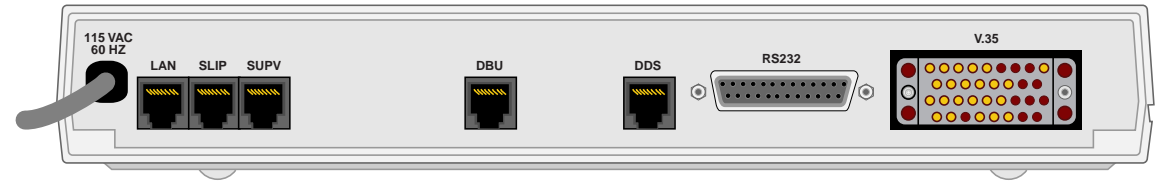




PRISM 4101 Front Panel



PRISM 4101 Rear Panel

Rear Panel Pinouts

Pin	LAN		SLIP/SUPV			DBU		DDS	
	Ethernet	Token Ring	Connector Pinout	PC Connector	Modem Connector	Connector Pinout	Internal ISDN Connection		Internal Modem
1	Data Out (+)		DTR Out	DCD In	Frame Gnd	Tx Clock In			Data Out (Tip)
2	Data Out (-)		RTS Out	RXD In	TXD In	DTR In			Data Out (Ring)
3	Data In (+)	Data Out (-)	Frame Gnd	TXD Out	RXD Out	RTS In			
4		Data In (+)	Data Out	DTR Out	RTS In	Frame Gnd		Gnd	
5		Data In (-)	Data In	Frame Gnd	CTS Out	Data In	U-Interface	Tip	
6	Data In (-)	Data Out (+)	Signal Gnd			Data Out	U-Interface	Ring	
7			CTS In	RTS Out	Signal Gnd	Signal Gnd		Gnd	Data In (Tip)
8			DCD In	CTS In	DCD Out	CTS Out			Data In (Ring)
9						DCD Out			
10						Rx Clock In			
20					DTR In				

Button	Function
EXIT	Returns you to the previous menu. Once you are at the main menu, the Exit button closes your interface session. Modifications to some menus do not take effect until you exit from that menu.
SCROLL	Allows you to toggle through a list of options for each menu item selected.
SELECT	Allows you to choose a specific or item (similar in functionality to the Return key). When you press the Select button on a user selectable item, the selected parameter becomes the new setting and you are returned to the previous menu.
LED	Function
BACKUP	Illuminates amber when the DBU is actively transferring data. Blinks amber when a DBU connection is being established or terminated.
TEST	Illuminates amber when the unit is transmitting loop code, unloop code or the 511 BERT pattern in a loop mode such as line, data, V.54, etc.
ALARM	Illuminates red when the unit is in an active alarm condition.
POWER	Illuminates green when power is applied to the unit.

Specifications

Network Interface

Service Type: DDS-I conforming to TR 62310
 Operating Modes: Full duplex, point-to-point, multi-point
 Line Rate: 2.4, 4.8, 9.6, 19.2, 38.4, 56, and 72 kbps
 Loop Range: Up to 45 dB of loss
 Line Connection: RJ-48S jack, 8-pin modular
 Timing Source: Network, DTE, or Internal

Equipment Interface

Sync Data Rates: 2.4, 4.8, 9.6, 19.2, 38.4, 54, 56, 62, and 64 kbps
 Async Data Rates: 2.4, 4.8, 9.6, 19.2, 38.4, and 57.6 kbps
 Rate Adaptation: Adapts substrate data port speeds to 56 or 64 kbps line rate
 Antistream Timer: Off, 10, 30, or 60 seconds
 DTE Connection: 34-pin V.35 (ITU) and 25-pin RS-232D (EIA)

Supervisory Port

Connection: 8-pin modular (RS-232)
 Data Rates: 1.2, 2.4, 9.6, and 19.2 kbps

SLIP Port

Connection: 8-pin modular (RS-232)
 Data Rates: 1.2, 2.4, 9.6, and 19.2 kbps

Ethernet (option)

Connection: 8-pin modular

Network Protocol: TCP/IP based networks
 Data Rate: 10 Mbps
 Compatibility: 10BASE-T, ISO/IEC 8802-3

Token Ring (option)

Connection: 8-pin modular (RJ-45)
 Network Protocol: TCP/IP based networks
 Data Rate: 4 or 16 Mbps
 Compatibility: Type 3 UTP, ISO/IEC 8802-5

Dial Backup

Connection: RS-232, 10-pin modular
 Backup Service: PSTN or ISDN, sync or async
 Configuration: Information for backup unit is stored in the PRISM 4101 and transmitted to backup unit by inband AT commands
 Dialing: Numbers programmed and stored in the PRISM 4101 and transmitted to backup unit by inband AT commands
 Restoral: Manual or automatic restoral to leased line service

Diagnostics

Loopbacks: CSU, V.54 (send and receive)
 BERT: 511 pattern

Power

115 VAC: 150 mA, 14 W max, 47 BTU max

Mechanical

Housing: Plastic standalone case
 Mounting: Desktop or horizontal rack
 Dimensions: 12 inches (30.40 cm) wide, 2 inches (5.08 cm) high, 9 inches (22.86 cm) deep
 Weight: 4 pounds (1.814 kg)

Environmental

Storage Temp: -4° to 185°F (-20° to 85°C)
 Operating Temp: 32° to 122°F (0° to 50°C)
 Humidity: 95% maximum (non-condensing)

Compatibility

TR 62310: November 1987
 TR 41450: November 1981
 Internet Standards: RFC 1157 (SNMP), RFC 1155 (SMI), RFC 1213 (MIB-II), RFC 1055 (SLIP), Enterprise TxPORT MIB, Enterprise DDS MIB

Industry Listings

FCC Compliance: Part 15 Class A, Subpart B, Part 68
 U.S. Safety: UL 1950, 3rd Edition
 Canadian Safety: CSA C22.2 No. 950-95
 Industry Canada: CS03, Issue 8 (CSU/DSU only)

RS-232 and V.35 Data Port Pinouts

ITU Circuit	Name	RS-232	V.35	DCE
101/AA	Frame Ground	1	A	Gnd
102/AB	Signal Ground	7	B	Gnd
103/BA	Transmit Data	2	P, S	In
104/BB	Receive Data	3	R, T	Out
105/CA	Request to Send	4	C	In
106/CB	Clear to Send	5	D	Out
107/CC	Data Set Ready	6	E	Out
108/CD	Data Term Ready	20	H	In
109/CF	Data Carrier Detect	8	F	Out
114/DB	Transmit Clock	15	Y, AA	Out
115/DD	Receive Clock	17	V, X	Out
141/LLB	Local Loopback	18		In
140/RLB	Remote Loopback	21		In
142/TM	Test Mode	25		Out

Sales and Marketing

888-4TxPORT
 256-772-3770
 info@txport.com

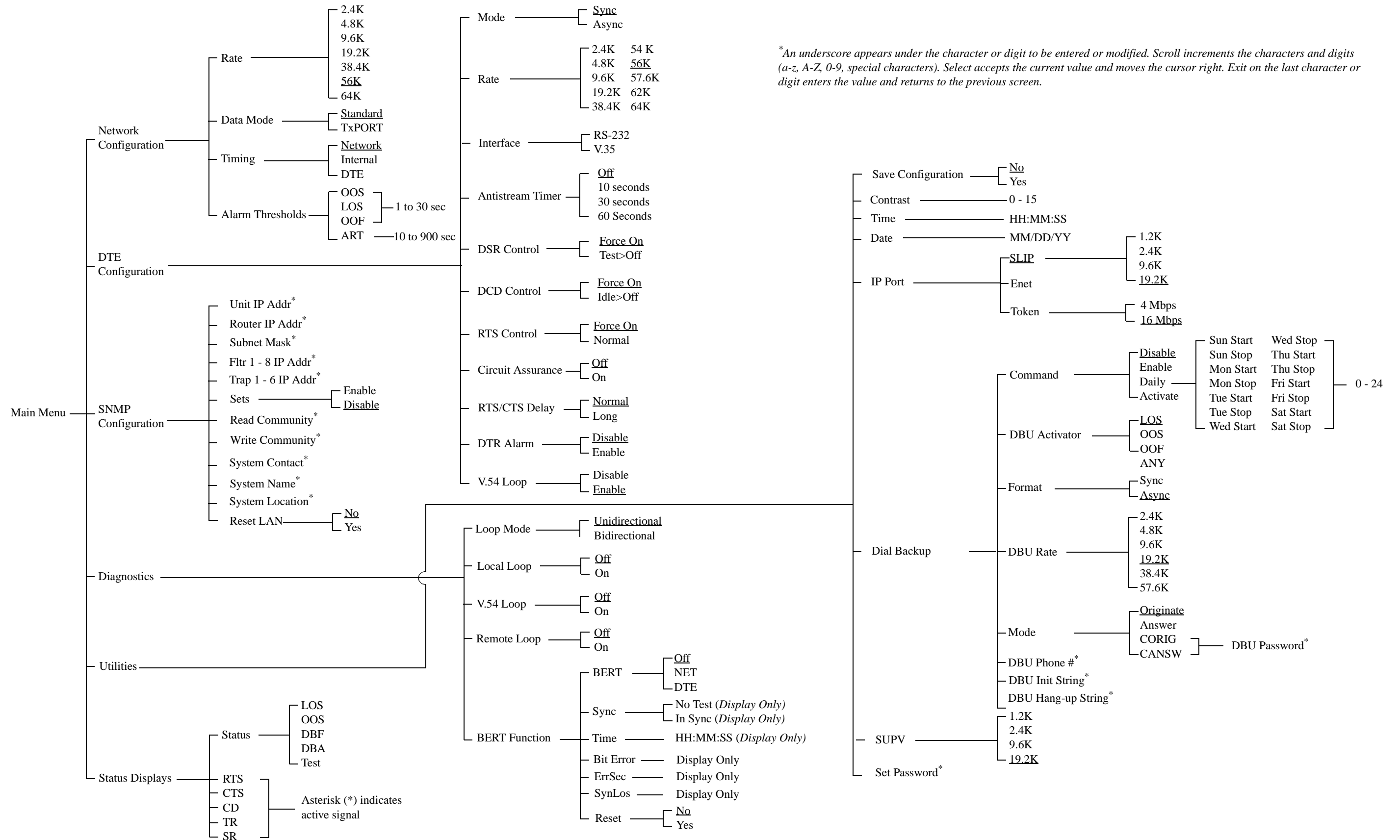
Technical Support

800-285-2755
 256-772-3770
 support@txport.com

Returns/RMA

888-4TxPORT, ext. 2282

Front Panel Interface Menu Tree



*An underscore appears under the character or digit to be entered or modified. Scroll increments the characters and digits (a-z, A-Z, 0-9, special characters). Select accepts the current value and moves the cursor right. Exit on the last character or digit enters the value and returns to the previous screen.

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