

# Product Specifications

## NETWORK INTERFACE

- **Line Rate:** 1.544 Mbps +/- 75 bps
- **Physical Interface:** RJ-48C, 8-pin modular
- **Framing:** D4(SF)/ESF, AT&T 54016 or ANSI T1.403
- **Line Code:** AMI/B8ZS
- **Input Signal:** 0 to -36dB
- **DS0 Assignment:** User selectable
- **T1 Transmit Timing:** Network, secondary NI, normal (CSU), internal or base DTE

## V.35 DTE INTERFACE

- **Data Rate:** Nx56 or Nx64 kbps (N=1 to 24)
- **Electrical and Mechanical:** CCITT V.35, Winchester type, 34-pin
- **Clock Options:** Normal/inverted and internal/external

### Dial BackUp (TSU 100e only)

- Accessible on Base V.35 DTE port
- Requires optional V.35 "Y" cable
- **DBU Dialing:** DTR dialing
- **DBU Test:** Loopback to DCE, test dialup network, force dial backup

## TESTING AND TROUBLESHOOTING

### Local

- Payload, line, and DTE loopback

### Remote

- Payload, line, and DTE loopback
- **Fractional T1 Loopback:**  
Per ANSI T1.403-1995, annex B
- CSU Loopback (from Telco)

### Test Pattern Generator and Detector

- QRSS and 511 (selectable DS0s)
- All 0s and All 1s (Transmit Only)

### Performance Monitoring

- **Error Counts:** ES, SES, UAS, % AS, % EFSEC, Alarms and Error Rates
- **Reports:** NI information stored for last 24 hours (15-minute increments)
- **PRMS:** ANSI performance report messages

### Network Interface Test Jacks

- **Bantam Jacks:** TX, RX and RXMON

## MANAGEMENT OPTIONS AND INTERFACES

### Control In/Control Out Ports

- **Interface:** EIA-232, PC serial port, modem or SLIP connection to router

- **Physical Connector:** RJ-45, modular 8-pin

### SNMP/Telnet

- SLIP connection to router
- MIB II, RFC1213, and 1407 compliant
- ADTRAN Enterprise MIB for extended monitoring, 100e control/configuration and expansion module support

### 10BaseT Interface (100e only)

- **Interface:** IEEE 802.3 compliant, 10 Mbps
- **Physical Connector:** RJ-45, modular 8-pin
- **Service:** SNMP, Telnet, ICMP, ARP, PING, T-Watch PRO™

## PHYSICAL

- **Dimensions:** 3.125" H, 12.5" D, 8.5" W
- **Weight:** 4 lbs
- **Power:** 115 VAC, 60 Hz, 9 W

## AGENCY APPROVALS

- UL 1950, CUL, FCC Part 15 (Class A), and FCC Part 68

## ENVIRONMENT

### Operating Temperature

- 0° to 45°C, (32° to 122°F)

### Storage Temperature

- -20° to 70°C, (-4° to 158°F)

## PRODUCT INCLUDES

- One 6 ft modular 8-pin to 8-pin cable, modular-to-female DB-25 adapter, modular-to-female DB-15 adapter, two 15 ft modular T1 cables, and user manual

# Ordering Information

EQUIPMENT	PART #
TSU 100e™ .....	1202052L1
TSU 100™ .....	1202052L2
V.35 "Y" Cable.....	1200196L1



TSU 100 Back



TSU 100e Back

Specifications subject to change without notice.