

# TL5160

## T-3

### INTELLIGENT SMART JACK



- Passive, non-intrusive
- Network and customer loopbacks
- Channelized and unchannelized T-3
- Auto M13/C-BIT detect
- SNMP, SNMP Traps and TELNET
- Integral V.34 modem option

The Telinc TL5160 T-3 Intelligent Smart Jack is used to manage a T-3 line at a customer location or at another carrier site. It is installed between the telco demarc and the customer equipment and continuously monitors both the network and customer interfaces. The Telinc Smart Jack can alert the carrier to problems before the end user is even aware of them.

The TL5160 displays Line Code Violations (LCV), Loss Of Signal (LOS), Loss Of Frame (LOF), Remote Alarm Indication (RAI/Yellow), and Alarm Indication Signal (AIS/BLUE) for both the network and customer interfaces. It also displays IDLE for the network interface.

#### **Call for Help Keep Alive**

When a problem is detected, the TL5160 can send SNMP traps and/or dial out a "Call for Help." An integral V.34 modem is available as an option. The TL5160 will automatically generate a user-selectable "Keep Alive" signal in the event of a failure on the customer interface. Failure of the TL5160 will not affect the network. The T-3 signals continue to pass through transparently.

The TL5160 T-3 Intelligent Smart Jack may be rack mounted, wall mounted or used as a standalone. It occupies only 1.75" of vertical rack space.

#### **Front Panel, VT100, DIP Switch, SNMP and TELNET Control**

The TL5160 can be managed from the front panel, from a local or remote VT100 terminal, through SNMP or TELNET or with DIP switches. The unit will also respond to in-band loop commands from the network or a remote unit.

The front panel includes twenty-one LED indicator lights that show power, status and alarms. Using front panel switches, the user can initiate local and remote loopbacks and a QRSS test pattern. The panel also includes monitor jacks, providing convenient access for external test equipment.

The user-friendly VT100 console provides for selection of all operating parameters using only five keys. The TL5160 includes provisions that let one console control multiple devices, both Telinc devices and those from other manufacturers.

Like other TELINC products, the TL5160 includes an Ethernet interface and can be given an IP address the same as any other device on the user's LAN.

Initial configuration can be done from the VT100, through the ETHERNET interface or with DIP switches on the back of the unit. The TL5160 automatically detects whether the T-3 facilities are provisioned for M13 or C-BIT.

# TL5160

## T-3 Intelligent Smart Jack

### Specifications



Information shown on the back panel makes it convenient to program the TL5160 without having to refer to the manual.

#### T-3 Ports

Network	2 BNC connectors - TX and RX
Customer	2 BNC connectors - TX and RX
Monitor (front panel)	2 BNC connectors - TX and RX
Interface Terminations	75 ohm
Line Rate	44.736 Mbps
Coding	B3ZS
Framing	M13 or C-Bit, auto-detect or unframed

#### Ethernet Interface

Rate	10 Mbps, 10 Base T
Mechanical	8-position, RJ45S

#### VT100 Console Port

Interface	RS232, 6-position RJ11
Speed	9600 bps, 8 data, no parity, 1 stop

#### Auxiliary Port

Interface	RS232, 6-position RJ11
Speed	Programmable

#### Modem (optional)

Interface	Phone line, 6-position RJ11
Speed	V.34

#### Indicators

21 front-panel LEDs

#### Power

90 to 130 VAC, 57 to 63 Hz  
12 watts, 41 BTU/hr

#### Dimensions

1.75" H x 17.5" W x 8.5" D  
4.5 cm x 20.3 cm x 30.4 cm  
19" rack/wall mount brackets included

#### Weight

4 lbs. (1.8 kg)

#### Operating Temperature

32° to 122°F, 0° to 50°C

#### Relative Humidity

0% to 95% non-condensing

TELINC welcomes inquiries on custom products, engineered to meet specific customer requirements.

# TELINC

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Specifications subject to  
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