



LOOP-E™1510 E1 CSU/DSU SERIES STAND ALONE



Description:

Loop Telecom's Loop-E1510 E1 CSU/DSU with V.35, X.21, Ethernet, or E1 product series provide an economic solution to E1 network access. Loop-E1510 with V.35, X.21, or Ethernet offers a partial of 31 DS0 channels and clear channel (32 DS0 channels) Loop-E1510 E1 repeater can only work with clear channel. This product series support HDB3 (High Density Bipolar 3) coding and diagnostics.

Features:

- DSU functionality integrated with a CSU in a compact package
- DTE interface: V.35, X.21, Ethernet, or E1 Connection to LAN/WAN, CAD/CAM or Hosts to E1 Network Services
- Support VLAN frames and extended frame size of 1532 bytes for Bridge function
- HDLC encapsulation without Ethernet FCS for Bridge function

With V.35 or X.21 port operating from 64 Kbps to 2048 Kbps, Loop-E1510 allows users to interconnect LANs and WANs, CAD and CAM, video conference, mainframe hosts, and others.

Loop-E1510 E1 repeater provides E1 interface to extend the reach of the network up to 1Km.

Loop-E1510 also supports Ethernet Bridge with fractional or clear channel E1 WAN port and single 10/100 Ethernet LAN port with bridging function






Loop-E1510 E1 CSU/DSU series support local control and diagnostics. This allows users to execute diagnostics. LEDs on the front panel provide both line side and DTE side status indicators.

CERTIFIED
ISO-9001

Ordering Information

To specify options, choose from list below

Note: RoHS compliant units are identified by the letter **G** appearing immediately at the end of ordering code.

Model (non RoHS compliant)	Model (RoHS compliant)	Description
Loop-E1510-S-port-ww-pp	Loop-E1510-S-port-ww-pp-G	Base Unit
Accessories		
User's Manual (All User's Manuals are RoHS compliant)		
Loop-E1510-S-UM	Loop-E1510-S-UM	User's Manual (paper, hard copy-optional). A CD version of the manual is already included as standard equipment.
Tray		
81.TRAY19.000	81.TRAY19.000-G	19" Tray (One tray for two base units)
Power Cord (All power cords are RoHS compliant)		
Loop-ACC-PC-USA	Loop-ACC-PC-USA	AC power cord for Taiwan/USA 
Loop-ACC-PC-EU	Loop-ACC-PC-EU	AC power cord for Europe 
Loop-ACC-PC-UK	Loop-ACC-PC-UK	AC power cord for the UK 
Loop-ACC-PC-AUS	Loop-ACC-PC-AUS	AC power cord for Australia 
Loop-ACC-PC-CH	Loop-ACC-PC-CH	AC power cord for China 

Where

port =11 for V.35 DTE interface with M34 connector

44 for X.21 DTE interface

BRF for E1 Framed interface with Bridge interface

BRU for E1 Unframed interface with Bridge interface

E1 for E1 interface

ww =75 for 75 ohm BNC E1 network interface

120 for 120 ohm Twisted Pair RJ48C E1 network interface

pp =AC for 100-240, 50/ 60 Hz Vac (**For AC choose an appropriate power cord**)

SD24 for single DC power supply (-24Vdc: -18 to -36 Vdc) E1 repeater exclusive

SD48 for single DC power supply (-48Vdc: -36 to -72 Vdc) E1 repeater exclusive

DC for 20 to 60 Vdc power source (Only for E1 repeater)

Example:

Loop-E1510-S-11-75-AC=

V.35 DTE interface with M34 connector, 75 ohm BNC E1 network interface with AC power.

Loop-E1510-S-E1-75-SD48=

E1 interface, 75 ohm BNC E1 network interface with single DC (-48Vdc) power supply.

LOOP-E1510 E1 CSU/DSU SERIES PRODUCT SPECIFICATION (Stand Alone)

Network Line Interface (E1)

Line Rate	2.048 Mbps \pm 50 ppm
Line Code	HDB3
Input Signal	ITU G.703
Output Signal	ITU G.703
Jitter	ITU G.823
Connector	BNC/RJ48C (field selectable by jumpers)

DTE (V.35, X.21) Interface

Data Port	Single DTE
Data Rate	n * 64 Kbps (n = 1 - 32)
Connector	M34 for V.35 interface, DB15 for X.21 interface

DTE (Ethernet) Interface

Number of Portst 1
Ethernet function 10/100BaseT, IEEE802.3
Auto-negotiation (10/100M)
Bridge function
VLAN transparent and extended frame size of 1532 bytes
HDLC encapsulation without Ethernet FCS
Connector RJ45

DTE (E1) Interface

Line Rate 2.048 Mbps \pm 50 ppm
Line Code HDB3
Input Signal ITU G.703 with the receiver sensitivity of -43dB at 1024KHz
Output Signal ITU G.703
Jitter ITU G.823
Connector BNC/RJ48C (field selectable by jumpers)

Diagnostics Test

Loopbacks Line Loopback and DTE Loopback

Electrical

Power AC: 100-240Vac, 50/ 60 Hz
DC: 24Vdc 18-36 Vdc
48Vdc: 36-72 Vdc
Power consumption Max. 5W

Physical & Environmental

Dimensions 210 x 41.5 x 140 mm (WxHxD)
Temperature 0 -50°C
Humidity 0-95% RH (NON-CONDENSING)
Mounting Desk-top or rack mount with tray

Standards Compliance:

ETSI ETS 300420, ETS 300419
ITU G.703, G.704, G.706, G.732, G.736, G.823

Certifications

EMI/EMC EN55022 Class A, FCC 15 Class A, EN55024
Safety EN60950-1

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