

# Fiberoptic Multiplexer with Ethernet + 4xE1/T1 + RS232



Model **CL-100T1**

CL-100T1, a Fiberoptic Multiplexer with Ethernet + 4xE1/T1 + RS232 interfaces, provides multiple broadband transmission capacities over one fiberoptic strand for point-to-point connectivity. With short/long haul optical transceivers, CL-100T1 may provides short/long reach up to 110km distance. The Ethernet interface is 100 Mbps auto negotiation and can be full/half duplex. The E1 is transparent and in full rate, which can support the E1 framed and unframed mode, including fractional E1.

The RS232 interface is set at the rate of 115.2 Kbps, none parity, 8 data bit, 1 stop bit. A pair of CL-100T1 offers a cost effective solution for Fiber to the Building (FTTB) applications to meet various corporate/enterprise demands such as MTU/MDU. The CL-100T1 is indeed an ideal FTTB broadband solution for LAN-to-LAN connectivity, InternetAccess, Serial RS232 and multiple E1 Broadband Voice/data/video applications.

## Features

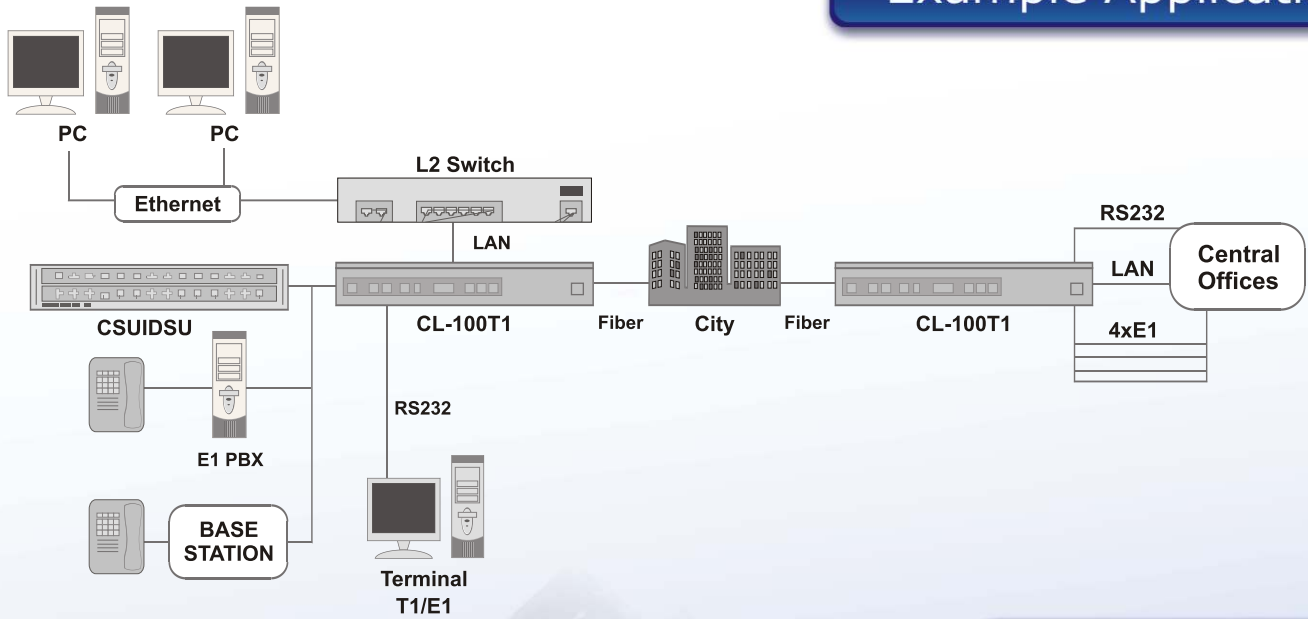
- Support 4xE1/T1+100 Mbps Ethernet+RS232 Interface Port
- Low Bit Error Rate
- Transmission Range up to 110km
- Power supplies: 110/240V AC and -48V DC

## Model Selection

<b>CL-100T1</b>	Fiberoptic Multiplexer with Ethernet + 4xE1/T1 + RS232, 1 Fiber, 40km
<b>CL-100T1/80</b>	Fiberoptic Multiplexer with Ethernet + 4xE1/T1 + RS232, 1 Fiber, 80km
<b>CL-100T1/110</b>	Fiberoptic Multiplexer with Ethernet + 4xE1/T1 + Rs232, 1 Fiber, 110km

Other Connectors and Distances Available Upon Request

## Example Application



## Specifications

<b>Features</b>	<ul style="list-style-type: none"> <li>Optical signal interface</li> <li>Optical source: 1310nm/155M Multimode SC Module</li> <li>1310nm/155M Single mode SC Module</li> <li>Optical wavelength range: 1310/1550 +/- 50nm</li> <li>Optical connector: SC type</li> <li>Desktop and 19" rack (option)</li> </ul>
<b>E1 Interfaces</b>	<ul style="list-style-type: none"> <li>Line Interface: ITU-T G.703</li> <li>Line Rate: 2.048 Mbps +/- 50ppm</li> <li>Line Code: HDB3</li> <li>Frame Format: Unframed</li> <li>Line Impedance: 120 ohm</li> <li>Connectors: RJ-48C</li> </ul>
<b>T1 Interfaces</b>	<ul style="list-style-type: none"> <li>Line Interface: ANSI T1.403, ITU-T G.703</li> <li>Line Rate: 1.544 Mbps +/- 50ppm</li> <li>Line Code: B8ZS</li> <li>Frame Format: Unframed</li> <li>Line Impedance: 100 ohm</li> <li>Connectors: RJ-48C</li> </ul>
<b>Ethernet Interfaces RS232 Interfaces</b>	<ul style="list-style-type: none"> <li>High performance bridge for Ethernet extension</li> <li>100BASE-T Ethernet interface</li> <li>Fully compatible with IEEE802.3, 802.3u</li> <li>Line Rate: up to 115200 bps</li> <li>Connects: RJ-45 to RS232 DB9 cable</li> </ul>
<b>Status LED</b>	<ul style="list-style-type: none"> <li>POWER: power is ON</li> <li>LAN: Ethernet LAN port is in connection</li> <li>FIBER: Fiber port is in connection</li> <li>RS232: RS232 serial port is in connection</li> <li>E1/T1: Each corresponding E1/T1 port is in connection</li> <li>LOS: Each corresponding E1/T1 port is in loss of synchronization</li> </ul>
<b>Dimensions</b>	260mm x 151mm x 44mm
<b>Operating Environment</b>	<ul style="list-style-type: none"> <li>Humidity: 5% to 95% non - condensing</li> <li>Temperature: 0°C to +50°C</li> </ul>
<b>Regulatory Compliance</b>	CE, FCC Rules Part 15 Class A