

Separate units for T1 and E1



Input and Output connections through Bantam, RJ 45 jacks



Connections compatible with CCITT G.703



Operates on 7-12 volts DC



T1/ E1 signals are terminated at 100Ω and 120Ω respectively



Permits output drive for line lengths up to 655 feet



LED indicators for signal detection



## Single/ Dual Multiport Repeaters



*Single Multiport Repeater (Bantam Version)*



*Dual Multiport Repeater (Bantam Version)*



*Single Multiport Repeater (RJ45 Version)*



*Dual Multiport Repeater (RJ45 Version)*

### Multiport Repeaters

Multiport Repeaters are used to generate multiple identical T1/E1 outputs for each T1/E1 input, thus increasing the range of transmission of T1/E1 signals. A single/ dual Multiport Repeater can be used for the following purposes:

- To generate multiple identical T1/ E1 outputs for each T1/ E1 input
- To test and load multiple T1/ E1 interfaces simultaneously
- For broadcast applications and traffic generation and simulation
- To preserve the strength of the signal and extend the distance over which the signal representing the data can be transmitted

The single bantam version provides ten identical outputs from a single T1/ E1 input. The single RJ45 version provides twelve identical outputs from a single T1/ E1 input. The dual version provides four outputs for each of the two inputs. The device is also useful in lab environments for load testing and signal duplication purposes. The output signals are regenerated versions of the input signal(s), that is, the input signal is detected via a data and clock detector circuit and regenerated at the output with identical line coding.

### Common Features of Single/ Dual Multiport Repeaters:

- The input and output connections are through standard bantam or RJ 45 jacks
- Inputs and outputs are compatible with CCITT G.703
- Units operate on a voltage of 7-12 V DC and draw a current of upto 1000 mA
- T1 and E1 signals are terminated at 100 Ohms or 120 Ohms respectively
- The repeater permits output drive for line lengths up to 655 feet
- The T1 Multiport Repeater and E1 Multiport Repeater are available as separate units
- LEDs are provided to indicate the presence or absence of input signals and power
- Provides Terminate, Bridge and Monitor mode of operations

For more details, please visit our web page <http://www.gl.com/mltiport.html>



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## Dual Multiport Repeater

### Input Features

Provides two independent sections of logic that repeat and multiply input T1/ E1 signals; each input is repeated 4 times at the output. For each section, the input termination is 100 Ohms (T1) / 120 Ohms (E1) balanced (bantam or RJ45) through a front panel switch.

### Output Features

- Each section has four outputs: each output is 100 Ohms (T1) / 120 Ohms (E1) balanced (bantam or RJ 45)
- The output of one section can be fed to the input of the second section, thereby providing seven identical outputs consisting of seven (7) bantam or RJ45 outputs

## Single Multiport Repeater

### Input Features

Terminate and Monitor Input:

DSX level E1 signal is terminated at 120Ω

DSX level T1 signal is terminated at 100Ω

Bridged Input:

DSX level T1/E1 signal is terminated at > 1000Ω

### Output Features

- A single Multiport Repeater contains ten or twelve identical output ports
- The input T1/ E1 signal is regenerated and provided at the ten or twelve output ports

### Buyers Guide:

[MPT00](#) - T1 Multiport Repeater 1:12 T1 Repetition

[MPE00](#) - E1 Multiport Repeater 1: 12 E1 Repetition

[DPT00](#) - Dual T1 Multiport Repeater 2X1:4 T1 Repetition

[DPE00](#) - Dual E1 Multiport Repeater 2X1:4 E1 Repetition

All units are available in RJ-45 or Bantam interfaces

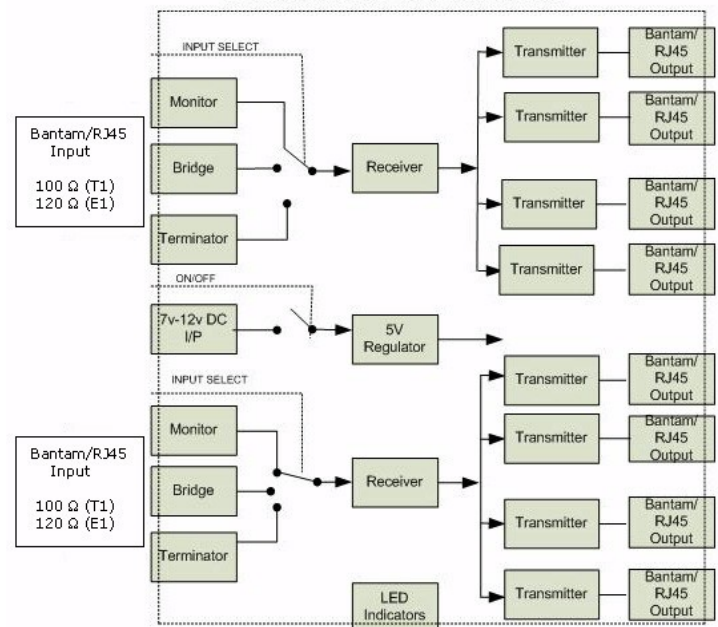
### Related Hardware:

[SWT001](#) – T1 / E1/ J1 Monitor / Intrusive Switch

[PTP001](#) – 2-Wire Phone Tap

Specifications and features are subject to change without notice.

DUAL E1 MULTIPOUR REPEATER



### Specifications

#### Physical Dimensions

Dimensions of Dual Multiport Repeater (2 x 4):

5.5" x 5.5" x 1.5"

Dimensions of Single Multiport Repeater (1 x 10):

6.5" x 5.5" x 1.5"

#### Power Supply Features

The required input voltage to the T1/ E1 Multiport Repeater is 9V DC. Please use the supplied AC/DC adapter for 120V (or 220V) AC power supply. The output of the adapter is 9V DC. The current drawn is 500 mA.

#### LED Indicators

The T1/ E1 Multiport Repeater have 12 LEDs on the front panel.

- The first LED (next to the input bantam jacks) indicates the input signal status. This LED turns on when a valid T1/ E1 input signal is connected
- LEDs from 2nd to 11th indicate the output signal status. These LEDs are lit if there is a valid output signal
- The last LED indicates the input power status. This LED is lit when the power to the repeater is switched on