

## DL550 RS232/RS422/RS485 Data

### DESCRIPTION

Radiant Communications DL550 Series can be ordered as multimode or singlemode transmission systems. The system can transmit distances of up to 100+ km on singlemode fiber, and 10 km on multimode.

The DL550 is a cost-effective alternative to long distance coaxial cable for RS232, RS422, RS485 communication applications while assuring high level of signal quality.

The DL550 Series transmits RS232, RS422 or RS485 over one or two fibers, and can be rack mounted in our CR200 19" x 525" rack. Like all Radiant Communications transmission systems, no adjustments are required at time of easy installation, or anytime thereafter.

### BENEFITS

Multimode Distances up to 10 km

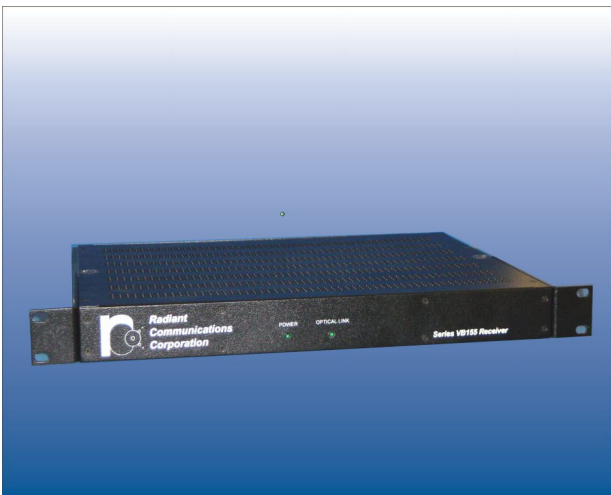
Singlemode Distances up to 100+ km

### FEATURES

RS232 Data, RS422 Data or RS485 Data over singlemode or multimode fibers

Simplex, Asynchronous or Full Duplex Data

Diagnostic Indicators



**Radiant  
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11/2005

# DL550 RS232/RS422/RS485 Data transport

## SPECIFICATIONS

### Data:

Bit error Rate: >10<sup>-9</sup> within optical budget  
 Data Rate: 56 Kbps for RS232  
 19.2 Kbps for RS422  
 256 Kbps for RS485

Operating Mode: Asynchronous, Simplex or Full Duplex

### Connector:

Data: 9 pin D Sub

### Optical

Wavelength: 850 nm, 1310 nm, 1550 nm, CWDM, DWDM  
 Number of Fibers: 1 or 2  
 Optical Connector: ST, SC/APC, SC, FC, FC/APC

### General Characteristics

Power: 650 mA @ +12-16 Volt DC  
 Operating Temperature: -20° to 50° C  
 Storage Temperature: -40° to 85° C  
 Size: rackmount 17.0" W x 13.0" D x 1.75" H  
 module 2.5" W x 4.0D x 1.0" H  
 Card Cage 1 Slot in CR200

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DL550M1-XY8	Data Transceiver, 1 Fibers, Multimode 850/1310 nm	16 dB	40 km
DL550M2-XY8	Data Transceiver, 2 Fibers, Multimode 850 nm	16 dB	40 km
DL550M2L-XY2	Data Transceiver, 2 Fibers, Multimode 1310 nm	16 dB	40 km
DL550S1-XY3	Data Transceiver, 1 Fibers, Singlemode 1310 nm	18 dB	0-100 km
DL550S2-XY3	Data Transceiver, 2 Fibers, Singlemode 1310 nm	18 dB	0-100 km

### Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone) mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D-ST
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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