

## ▶ DBX515M/S: RS422 Data Multiplexer, 8 or 16 Channel

### DESCRIPTION

Radiant Communications DBX515 Series can be ordered as a multimode or singlemode transmission system. The system can transmit distances of up to 100+ km on singlemode fiber, and 10km on multimode. The DBX515 Series transmits 8 or 16 channels of RS422 over one or two fibers, and can be rack mounted in our CR200 19" x 5.25" rack. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or any-time thereafter.

### ▶ BENEFITS

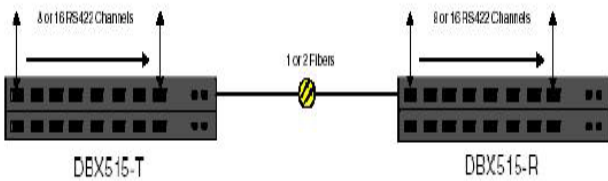
Multimode Distances up to 10 km

Singlemode Distances up to 100+ km

### ▶ FEATURES

RS422 Data, 8 or 16 Channels, Over One or Two Fibers

Diagnostic Indicators



**Radiant  
Communications  
Corporation**

Phone: 908 757 7444 or 800 969 3427  
Fax: 908 757 8666  
E-mail: [sales@rccfiber.com](mailto:sales@rccfiber.com)  
[www.rccfiber.com](http://www.rccfiber.com)

P.O. Box 867  
South Plainfield  
NJ 07080  
USA

2/2005

# ▶ DBX515 RS422 Data 8 or 16 Ch Multiplexer

## SPECIFICATIONS

### Data:

Bit error Rate: >10<sup>-9</sup> within optical budget  
Data Rate: 38 Kbps  
Operating Mode: Asynchronous or Simplex

### Connector:

Data: RJ45

### Optical

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

### General Characteristics

Power: 0.4 A @ +12-16 VDC  
Operating Temperature: -20° to 50° C  
Storage Temperature: -40° to 85° C  
Size: rackmount 17.0" W x 13.0D 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
DBX515M1-XY8	Data Transceiver, 1 Fibers, Multimode 850/1310 nm	14 dB	0-4 km
DBX515M2-XY8	Data Transceiver, 2 Fibers, Multimode 850 nm	15 dB	0-5 km
DBX515M2L-XY2	Data Transceiver, 2 Fibers, Multimode 1310 nm	15 dB	0-10 km
DBX515S1-XY3	Data Transceiver, 1 Fibers, Singlemode 1310 nm	18 dB	0-50 km
DBX515S2-XY3	Data Transceiver, 2 Fibers, Singlemode 1310 nm	18 dB	0-50 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
- For Single channel units, please refer to DB515



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