

DBX500M/S RS232 Data Multiplexer 8 or 16 Channel

DESCRIPTION

Radiant Communications DBX500 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 DBX500 Series transmits 8 or 16 channels of true RS232 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 installation, or any-time thereafter.

BENEFITS

Multimode Distances up to 10 km

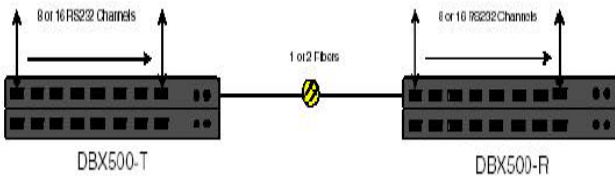
Singlemode Distances up to 100+ km

FEATURES

RS232 Data, 8 or 16 Channels,
Over One or Two Fibers

Synchronous or Asynchronous Data

Diagnostic Indicators



**Radiant
Communications
Corporation**

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2/2005

▶ DBX500M/S RS232 Data 8 or 16 Ch Multiplexer

SPECIFICATIONS

Data:

Bit error Rate: >10⁻⁹ within optical budget
Data Rate: 38 Kbps
Operating Mode: Asynchronous, Simplex or Full Duplex

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
DBX500M1-XY8	Data Transceiver, 1 Fibers, Multimode 850/1310 nm	14 dB	0-4 km
DBX500M2-XY8	Data Transceiver, 2 Fibers, Multimode 850 nm	15 dB	0-5 km
DBX500M2L-XY2	Data Transceiver, 2 Fibers, Multimode 1310 nm	15 dB	0-10 km
DBX500S1-XY3	Data Transceiver, 1 Fibers, Singlemode 1310 nm	18 dB	0-50 km
DBX500S2-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 DB500 Series



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