

▶ DB500M/S RS232 Data, Two-Way

DESCRIPTION



Radiant Communications DB500 can be ordered as multimode or singlemode transmission system. The system is capable of transmitting RS232 data, two-way, over one or two multimode fibers for distances of up to 10 km, and 100+ km over singlemode fibers and can be ordered in a one or two fiber version. The DB500, which transmits true RS232, can be ordered as a standalone or rack mounted in our CR200 19" x 5.25" rack. Like all Radiant Communications transmission systems, no adjustments are required at the time of installation, or anytime thereafter.

BENEFITS

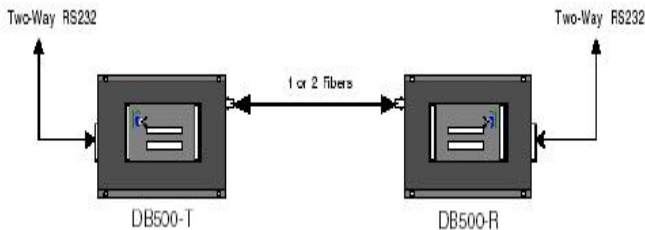


Multimode Distances up to 10 km
Singlemode Distances up to 100+ km

FEATURES



RS232 Data, Two-Way, Over One or Two Fibers
Diagnostic Indicators



**Radiant
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5/2005

▶ DB500M/S RS-232 Data, Two Way

SPECIFICATIONS

Data:

Bit error Rate: >10⁻⁹ within optical budget
Data Rate: 56 Kbps
Operating Mode: Asynchronous, Simplex or Full Duplex

Connector:

Data: Screw Terminal or DB9

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
DB500M1-XY8	Data Transceiver, 1 Fibers, Multimode 850/1310 nm	14 dB	0-4 km
DB500M2-XY8	Data Transceiver, 2 Fibers, Multimode 850 nm	15 dB	0-5 km
DB500M2L-XY2	Data Transceiver, 2 Fibers, Multimode 1310 nm	15 dB	0-10 km
DB500S1-XY3	Data Transceiver, 1 Fibers, Singlemode 1310 nm	18 dB	0-50 km
DB500S2-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 Multichannel units, please refer to DBX500 Series



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