

▶ DB5 10M/S RS232 Data, Two-Way Full Handshaking

▶ DESCRIPTION

Radiant Communications DB510 Series can be ordered as a multimode or singlemode transmission system. The system can transmit distances of up to 50 km on singlemode fiber, and 10 km on multimode. The DB510 Series, which transmits full duplex RS232 Asynchronous Data over one or two fibers, 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 time of installation, or anytime thereafter.

▶ BENEFITS

Multimode Distances up to 10 km

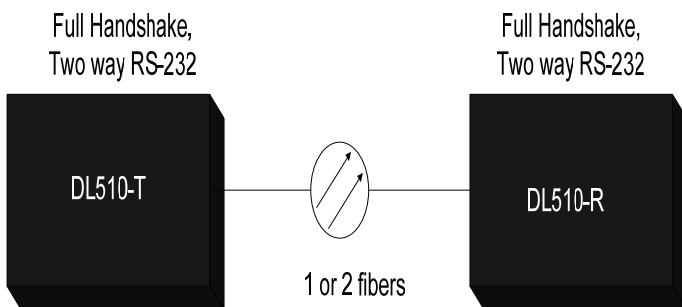
Singlemode Distances up to 50km

▶ FEATURES

RS-232 Data, Two-Way Over One or Two Fibers

Full Handshaking

Diagnostic Indicators



**Radiant
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Corporation**

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4/2006

▶ DB510M/S RS232 Data Two Way, Full Handshaking

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 4.0' D x 1.0" H
Card Cage 1 Slot in CR200

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DB510/M1-XY8	Data Transceiver, 1 Fibers, Multimode 850/1310 nm	14 dB	0-4 km
DB510M2-XY8	Data Transceiver, 2 Fibers, Multimode 850 nm	16 dB	0-5 km
DB510M2L-XY3	Data Transceiver, 2 Fibers, Multimode 1310 nm	15 dB	0-10 km
DB510S1-XY3	Data Transceiver, 1 Fibers, Singlemode 1310 nm	12 dB	0-30 km
DB510S2-XY3	Data Transceiver, 2 Fibers, Singlemode 1310 nm	16 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 the DBX500 series
- Due to product enhancements, specifications are subject to change without notice.



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