

▶ VADB910 Video One-Way, Audio and Data Two-Way

DESCRIPTION



Radiant Communications VADB910 Series can be ordered as a multimode or singlemode transmission system. The system can operate distances of up to 50km on singlemode fiber, and 10km on multimode. The Series is capable of transmitting video one-way and audio and data two-way over one or two fibers. The VADB910 Series offers diagnostic indicators for the condition of the video presence on the transmitter and receiver, along with fiber level information in the receiver. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.

BENEFITS



Real-Time Video One-Way, Audio and Data Two-Way, Over One or Two Fibers

Multimode Distances up to 10 km

Singlemode Distances up to 50 km

FEATURES

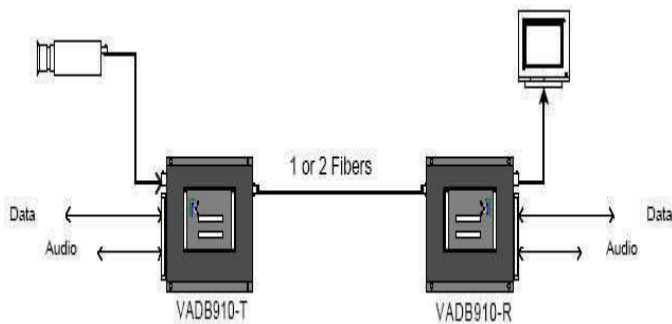


Meets RS-250 Medium Haul Specifications

1 Channel Video - one direction

1 Channel Audio - both directions

1 Channel Data - both directions



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▶ VADB910 Video one way, Audio and Data two way

SPECIFICATIONS

Video

Bandwidth: 8 MHz
 SNR/CTN: 60 dB minimum, 64 dB typical
 Input Level: 1 volt peak to peak
 I/O Level: 75 Ohms
 Differential Phase: 1.3°
 Differential Gain: 2 %

Audio

Bandwidth: 20 Hz to 16 KHz
 Input Impedance: 10k Ohms or 600 Ohms (factory preset)
 Input/Output Signal Level: 0dB (2 Volts peak to peak)
 Output Impedance: 10k Ohms or 600 Ohms (factory preset)
 Output Signal Level: +6 dB

Data

Data Formats: RS-232, RS-422, RS-485, TTL or Bi-Phase / Manchester
 Connector: RJ45

Optical

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

General Characteristics

Power: 10W @ 90 to 240V AC
 Operating Temperature: 0° to 50° C
 Size: rackmount 17.0" W x 13.0D x 1.75" H
 Module/can 5.5" W x 7.0" D x 1.3" H
 Card cage 2 in CR200

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
VADB910M1-T-XY8	Video, Audio & Data 2 way, Transceiver, 1 Fibers, MM, 850 nm	12 dB	0-3 km
VADB910M1-R-XY2	Video, Audio & Data 2 way, Transceiver, 1 Fibers, MM, 1310 nm	12 dB	0-3 km
VADB910M2-T-XY2	Video, Audio & Data 2 way, Transceiver, 1 Fibers, MM, 1310 nm	14 dB	0-10 km
VADB910M2-R-XY2	Video, Audio & Data 2 way, Transceiver, 1 Fibers, MM, 1310 nm	14 dB	0-10 km
VADB910S1-T-XY3	Video, Audio & Data 2 way, Transceiver, 1 Fiber, SM, 1310 nm	12 dB	0-30 km
VADB910S1-R-XY3	Video, Audio & Data 2 way, Transceiver, 1 Fiber, SM, 1310 nm	12 dB	0-30 km
VADB910S2-T-XY3	Video, Audio & Data 2 way, Transceiver, 2 Fibers, SM, 1310 nm	18 dB	0-50 km
VADB910S2-R-XY5	Video, Audio & Data 2 way, Transceiver, 2 Fibers, SM, 1550 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
- Data—RS232 is standard. Please note on order for other format.
- Due to product enhancements, specifications subject to change without notice.



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