

▶ AB305

Two-Way Audio

▶ DESCRIPTION

Radiant Communications AB305 Series can be ordered as a multimode or singlemode transmission system. The system can transmit distances of up to 80+ km on singlemode fiber, and 5 km on multimode. The AB305 Series, which transmits high-quality audio signals two-way, can be ordered as a stand-alone or rack mounted in our CR200 19" x 525" rack. Like all Radiant Communications transmission systems, no adjustments are required at time of installation, or anytime thereafter.

▶ BENEFITS

One-Way Audio Over One Fiber

Plug and Play operation

▶ FEATURES

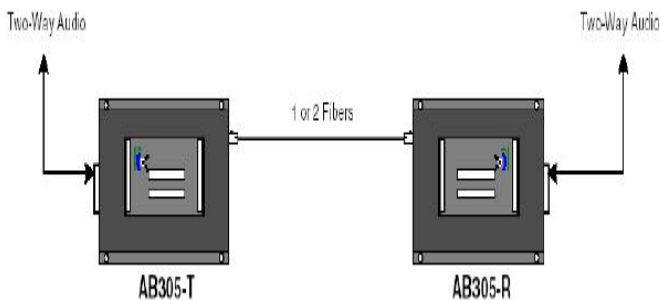
Two-Way Audio Over One or Two Fibers

Multimode Distances up to 5 km

Singlemode Distances up to 80+ km

AGC Circuitry

Diagnostic Indicators



**Radiant
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Corporation**

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2/2005

▶ AB305 Two way Audio

SPECIFICATIONS

Audio

Audio Bandwidth: 20 Hz to 20 kHz
 SNR: 66 db
 THD: <1%

Connector:
 Audio 10-pin screw terminal

Optical

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

General Characteristics

Power: 1.5 Amp @ 5VDC
 Operating Temperature: 0° to 50° C
 Storage Temperature: -40° to 85° C

Size: rackmount 17.0" W x 13.0" D x 1.75" H
 module 4.55" W x 7.0" D x 1.95" H
 Card cage 2 Slots in CR200 for 1 Fiber unit
 1 Slot in CR200 for 2 Fiber unit

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
AB305M-T-XY8	1 Channel Audio Transceiver, 1 Fiber, MM 850nm	13 dB	0-3 km
AB305M-R-XY8	1 Channel Audio Transceiver, 1 Fiber, MM 850nm	13 dB	0-3 km
AB305S-T-XY3	1 Channel Audio Transceiver, 1 Fiber, SM 1310nm	18 dB	0-50 km
AB305S-R-XY3	1 Channel Audio Transceiver, 1 Fiber, SM 1550nm	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
- Due to product enhancements, specifications subject to change without notice
- For Audio Multiplexers, please refer to the ABX325 Series



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