

## ▶ DL210 | Fiber 100 Mbps Transceiver

### DESCRIPTION



The Radiant Series DL210 transceivers transmit fast Ethernet bi-directionally over one fiber, and are used in long-distance high speed Ethernet backbone applications. The DL210 transceivers can transmit either half or full duplex data. When running in Full Duplex mode, transmission distances of 80km or more are readily achievable. Standard Ethernet is half duplex. The maximum transmission distance for 100 Mb/s Ethernet is 200 meters for all media, fiber and copper. For longer distances, the data must be transmitted in full duplex format. However, in order for the Series DL210 transceivers to achieve the longer distances, the network device that the transceiver is connected to must be set for full duplex.

### BENEFITS



- ▶ Plug and Play operation
- ▶ Converts any 100 Megabit to fiber media
- ▶ Transmission distances of 80 km or more with no collisions

### FEATURES



- ▶ Bi Directional on One Fiber
- ▶ Half or Full Duplex operation
- ▶ 100 Base-FX Protocol



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2/2005

# DL210 | Fiber 100 Mbps Transceiver

## SPECIFICATIONS

### Protocols

IEEE 802.3, 100Base-FX,

### LED Indicators

Power, Fiber Signal Detected, TP Signal Detected

### Safety

VL-1950, TUV/UDE, CE

### Connector

Electrical: RJ45

### Emissions

FCC Part 15, Sub J, Class CE

### Optical

Wavelength: 850nm, 1310nm, 1550nm, CWDM, DWDM

Number of Fibers: 1

Optical Connector: SC/APC, SC, FC, FC/APC

### General Characteristics

Power: 9VDC @ 500 mA via External Supply

Operating Temp: 0° to 40° C

Size: rackmount 17.0" W x 13.0" D x 1.75" H

Module/can 4.8" W x 16.8" D x 1.8" H

Card Cage 2 Slots in CR200

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DL210-XY8	Media Converter, 1 Fibers, Multimode 850nm	7 dB	2 km
DL210/SM-XY3	Media Converter, 1 Fibers, Singlemode 1310nm	9 dB	20 km
DL210/SMHP-XY3	Media Converter, 1 Fiber, Singlemode 1310nm	18 dB	15-50 km
DL210/SMSP-XY5	Media Converter, 1 Fiber, Singlemode 1550nm	28 dB	30-80 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



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