

DESCRIPTION

Radiant Communications DL221 series is a universal transceiver, which interfaces with ALL Ethernet formats and it does not require any adjustments at the time of installation, or anytime thereafter.

These transceivers are available in both 1 or 2 fiber version which connect directly to Ethernet Hubs, Switches, Routers, and NIC cards. These units operate as they can be interfaced with any switch or hub port set to any combination of 10Base-T, 100Base-TX, Half Duplex, or Full Duplex. The optical transmission, however, is 100Base-FX at Full Duplex, which means the only distance limitation is the optical power of the transceiver. The DL221, together with the optional SNMP Management module (DL-SNMP), will enable the remote monitoring of a single unit or a fully loaded card cage of units (up to 8 units).



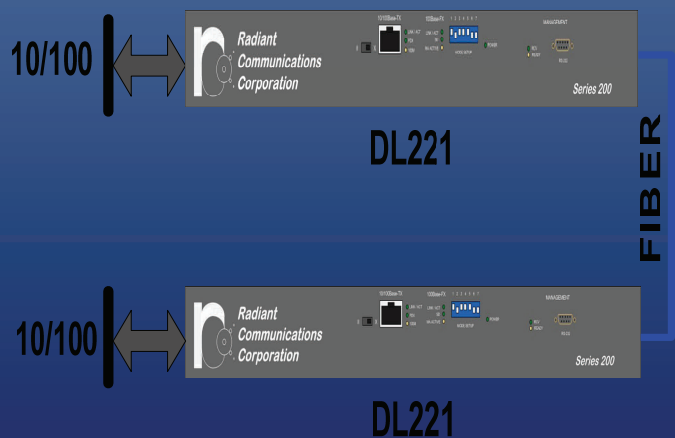
DL221 10/100 Ethernet Transceiver

BENEFITS

- Plug-And-Play operation
- Truly universal
- Transmission distances of 100 km or more

FEATURES

- Interfaces with ALL Ethernet formats
- Does not require Full Duplex Support
- Connects directly to Ethernet Hubs
- Options for CWDM and DWDM Systems (ITU Grid)



**Radiant
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DL221 10/100 Ethernet Transceiver

SPECIFICATIONS

Standards Supported

IEEE 802.3:
10Base-T, Full or Half Duplex
100Base-TX, Full or Half Duplex
100Base-FX, Full Duplex

Optical

Wavelength: 850nm, 1300nm, 1310nm, 1550nm,
1310/1550nm, CWDM, DWDM
Number of Fibers: 2 (DL221), 1 (DL221A)
Power Budget: see table below

General Characteristics

Power: 15W @ 90 to 240V AC
Operating Temp: -10° to 50° C
Storage Temp: -40 to 85° C
Humidity: 0-95% non-condensing
Size: 1U Rackmount 17.0" W x 13.0D x 1.75" H
Can/Modular 8.0" W x 5.5 D x 2.5" H
Card Cage 2 Slots in CR200

ORDERING INFORMATION

PART NUMBER	DESCRIPTION	ATTENUATION	MAX DISTANCES
DL221-XY8	Transceiver, Multimode 850nm, 2 fibers	9dB	2km
DL221/I3-XY2	Transceiver, Multimode 1300nm, 2 fibers	9dB	6km
DL221/SM-XY3	Transceiver, Singlemode 1310nm, 2 fibers	9dB	20km
DL221/SM2-XY3	Transceiver, Singlemode 1310nm, 2 fibers	18dB	50km
DL221/SMSP-XY3	Transceiver, Singlemode 1310nm, 2 fibers	28dB	80km
DL221/SMUP-XY5	Transceiver, Singlemode 1550nm, 2 fibers	28dB	110km
DL221/CWDM	Transceiver, Singlemode CWDM, 2 fibers	28dB	80km
DL221A-XY8	Set of Transceivers, Multimode 850/1300nm, 1 fiber	6dB	2km
DL221A-XY2			
DL221A/SM-XY3	Transceiver, Singlemode 1310nm, 1 fiber	9dB	20km
DL221A/SM2-XY3	Transceiver, Singlemode 1310nm, 1 fiber	18dB	50km
DL221A/SMSP-XY5	Set of Transceivers, Singlemode 1310nm/1550nm, 1 fiber	28dB	80km
DL221A/SMSP-XY3			

Note:

- Specify X—packaging of the unit: U—IU rack mount, M—modular (standalone), R—card cage rack mount
- Specify Y—connector type: A—SC/APC, E—SC, B—FC, Z—FC/APC, D—ST
- Add -M for SNMP management
- Add -48 for 48VDC power
- For higher optical budgets and distances, CWDM and DWDM systems, contact factory



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