

**DL213/213A 10Mb/s Fiber Optic Transceiver**

LAN/WAN

**10B-T** ↔**FEATURES**

- Singlemode and Multimode
- Half/Full Duplex
- Distances up to 110 km
- One Fiber Distance to 80+ km
- Two Fiber distance to 140+ km

**DESCRIPTION**

The DL213 Series is a 10Base-T (RJ45) to fiber transceiver that will transmit Half or Full Duplex 10 Mb/s Ethernet via one or two fibers. In Full Duplex mode, the DL213 can send Ethernet packets over distances up to 10 km.

Full Duplex Ethernet is a point-to-point connection offering collision-free transmission at distances greater than the 2 km maximum supported by half duplex Ethernet. However, in order for these transceivers to operate properly, they must be connected to Ethernet ports that are set to full duplex information at both ends of the connection. All Radiant Ethernet switches and converters support full duplex operation. The DL213 Series can be ordered as a stand-alone can or a rack mount card, which can be mounted in our CR200 rack. Like all Radiant Communications transmission systems, absolutely no adjustments are required at time of installation, or anytime thereafter.

**Radiant Communications Corporation**

P.O. Box 867 • 5001 Hadley Road • South Plainfield, NJ 07080 • USA  
800.969.3427 • In New Jersey: 908.757.7444 • Fax: 908.757.8666  
sales@rccfiber.com . www.rccfiber.com

# DL213/A 10Mb/s Fiber Optic Transceiver

## SPECIFICATIONS

### LED INDICATORS

The following are front panel indicators:

- POW (Power)
- DD(Data Detect)
- TP (TP Detect)
- RX (Optical RX)

### STANDARDS SUPPORTED

IEEE 802.3 10Base-FL and 10Base-FOIRL  
Ethernet, Full Duplex

### CONNECTORS

- (1) RJ45 (10 Base-T)
  - (2) ST (for DL213)
  - (1) SC (for DL213A)
- Other connector types available

### POWER

5V @ 300mA via external power supply

### DIMENSIONS

Standalone DL213A: 4.8"W x 4.8"D x 1.5"H  
Standalone DL213: 2.2"W x 3.4"D x 0.9"H  
Rack Mount: 2 Slots

### TEMPERATURE

0°C to +40°C

## ORDERING INFORMATION

Part Number:	Description	Wavelength	Max Optical Attenuation			Approx. Distance
			# of Fibers	62.5 um	9 um	
DL213	Transceiver, MM	850 nm	2	9 dB	-	0-2km
DL213/13	Transceiver, MM	1300 nm	2	9 dB	-	0-6km
DL213/SM	Transceiver, SM	1300 nm	2	-	9 dB	0-20km
DL213/SMHP	Transceiver, SM	1300 nm	2	-	18 dB	15-50km
DL213/SMSP	Transceiver, SM	1300 nm	2	-	28 dB	40-80km
DL213/SMUP	Transceiver, SM	1550 nm	2	-	28 dB	50-110km
DL213A	Transceiver, MM	850nm	1	8 dB	-	0-2 km
DL213A/SM	Transceiver, SM	1300nm	1	-	9 dB	0-20 km
DL213A/SMHP	Transceiver, SM	1300/1550nm	1	-	18 dB	15-50km
DL213A/SMSP	Transceiver, SM	1300/1550	1	-	28 dB	40-80 km

## OPTIONS

Card Cage **CR200ET/213** (Available for 120/240 VAC or -48VDC, consult factory)  
Add **-R** to part number for rack card mount version (up to 8 units can fit into card case)  
For longer distances, contact factory.

*Due to product enhancements, specifications subject to change without notice*



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