

DL224: Eight Channel Gigabit Ethernet Fiber Multiplexer**LAN/WAN****8 GigE** **FEAUTES**

- (2) to (8) Gig E on 2 Fibers
- Converter or repeater
- Multimode to Singlemode converter
- Singlemode Repeater
- Maximum Distances - 80+ Km
- Optional SNMP Management

DESCRIPTION

The Radiant Communications Series DL224 is a (2) to (8) channel Gigabit Ethernet Fiber Multiplexer that is available in two versions.

One version is a multimode to single mode converter where the DL224 connects to multiple Gigabit Ethernet Multimode fiber switch ports, and transmits the information bidirectionally over two singlemode fibers for long distances. At the end of the run, those two singlemode fibers connect to another DL224 which connects to the GigE switch ports.

The other version of the DL224 is as a singlemode repeater. This simply repeats the signal for distances beyond 80 Km. Using the two versions, any type of Ethernet architecture can be utilized for a WAN (Wide Area Network) — bus, ring, point-to-point, or any combination. There are various options that can be added, including SNMP management, -48VDC power, or redundant power supply.

The DL224 is packaged in a 4U (or larger) high rack mount cabinet, and is fully compliant with all Gigabit Ethernet standards and will interface with the switches from any manufacturer.

**Radiant Communications Corporation**

5001 Hadley Road, South Plainfield, NJ 07080

Pfone: 800 969 3427 908 757 7444

Fax: 908 757 8666

Email: sales@rccfiber.com Web Site: www.rccfiber.com

DL224: Eight Channel Gigabit Ethernet Fiber Multiplexer

SPECIFICATIONS

STANDARDS

CONNECTORS/SIZE

- IEEE 802.3Z, 1000 Base Sx & Lx
- SNMP MIB I
- RFC 854 Telnet
- BER: 1 X 10⁻¹²
- Multimode: Duplex SC
- Singlemode: SC/APC (others upon request)

DIMENSIONS

7.00"H X 17.0"W X 13.0"D (or higher)

INDICATIONS

POWER/TEMPERATURE

- Power, Link, Data, Laser
- Power: 110/220 VAC
- (-48VDC optional)
- Temperature: 0° - 40° C
- Humidity: 0-95%, non condensing

ORDERING INFORMATION

Part Number	Description	Wavelength MM	Dynamic Range (MM)	Wavelength SM	Dynamic Range (SM)
DL224/X-AD	Converter	850nm	8dB	1550nm	10 dB
DL224/X-ADHP	Converter	850nm	8dB	1550nm	20 dB
DL224/X-DD	Repeater			1550nm	10 dB
DL224/X-DDHP	Repeater			1550nm	20 dB

1. For even higher optical dynamic range, contact the factory.
2. For SNMP management, add **M** to part number, e.g. DL224M/X-YY.
3. For redundant power, add **-RPS** to part number, e.g. DL224/X-YY-RPS
4. For -48VDC power, add **-48VDC** to part number, e.g. DL224/X-YY-48VDC.
5. For other optical connectors, contact the factory.
6. Specify X, the number of Gig E channels

Due to product enhancements, specifications subject to change without notice



Radiant Communications Corporation

5001 Hadley Road, South Plainfield, NJ 07080

Pfone: 800 969 3427 908 757 7444

Fax: 908 757 8666

Email: sales@rccfiber.com Web Site: www.rccfiber.com