# L5311 RTN *(acrylic) LinkCard*

GENERAL DESCRIPTION

The RTN (Real Time Network) LinkCard is the interface between a Link component and the fiber optic network. Plugged into a LinkRack or LinkStation, it communicates with other modules on the Link network via 1000 micron acrylic fiber optic cable. The L5311 has two sets of transmitters and receivers to support Primary and Secondary fiber optic channels. Refer to the Link Overview Manual HA350678 for detailed information on network topology. Transmission intensity may be selected LOW, MEDIUM or HIGH by toggle switches, depending on the distance to the next Link node. Terminations are standard T&B connectors, red for transmit and black for receive.

NOTE: An unused receiver of the secondary channel should be plugged with an opaque plug, supplied with the unit. Failure to do so may result in spurious network faults due to the leakage of ambient light into that receiver.
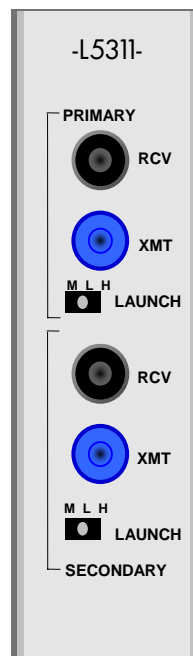
TECHNICAL SPECIFICATIONS

Environmental

Operating temperature	0°C to 50°C (32 to 122°F)
Storage temperature	-10 °C to +70 °C (14 to 158°F)
Humidity	85% R.H. in a dry, non-condensing environment
Enclosure Rating	Touchsafe IP20. To be mounted inside an enclosure

Supply

Supply Voltage	5VDC, supplied by backplane
Current Consumption	75 mA
Power Dissipation	0.6 Watts

Fiber Optic Channels

Transmission Distance	Selected by individual toggle switches for Primary and Secondary fiber optic channels
LOW (center position)	up to 66 feet (20 meters)
MEDIUM (left position)	66 to 132 feet (20 to 40 meters)
HIGH (right position)	132 to 198 feet (40 to 60 meters)

Physical

Height	120mm (4.72 in)
Width	32mm (1.25 in)
Depth	90mm (3.54in)
Weight	0.3 lbs (0.14 kg