

## MEDIUM SPEED RS-422 / TTL DATA

## DX/DT/DR-7201

### For Point-to-Point Medium Speed Data Applications

The **Litelink™** system consists of two DX-7201 transceivers or the DT-7201 transmitter and DR-7201 receiver. All units utilize pure digital on-off modulation to transmit high-speed data signals in accordance with standard RS-422 or TTL specifications. No conversion, sampling or other data manipulation is employed.

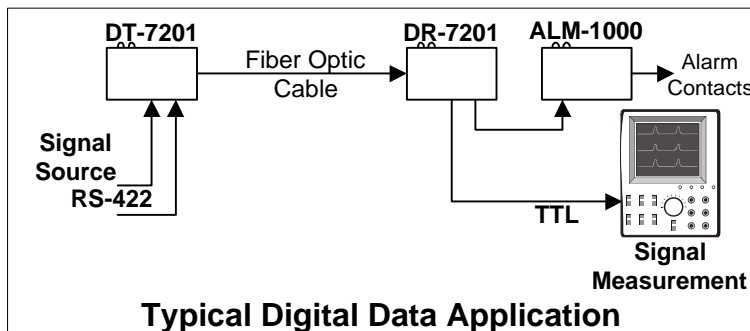
The DX/DT/DR-7201 is easily user-configured for either of the above protocols by setting an internal DIP switch. Operation otherwise is totally adjustment free. The system may also be used for protocol conversion if desired. Integral indicators are provided on both units to continuously indicate the presence of data signals as well as operating power thereby making system troubleshooting simple.



### Technical Specifications

Data Transmission Rate	DC to 50 Mb/s
Protocols Supported	TTL (50 ohm/Hi-Z), RS-422
Rise / Fall Time	12 nanoseconds
Propagation delay RS422	22.5ns(-1-3 models),14.5ns (-7,-9)
Propagation delay TTL	20.5ns(-1-3 models),12.5ns (-7,-9)
Operating Wavelength	850, 1310, or 1550nm
Optical Output Power (typ.)	-15 dBm (multimode) -15 dBm (single-mode)
Optical Loss Budget	0-12 dB (multimode) 0-12 dB (single-mode)
Optical Connectors	ST (multimode) FCPC (single-mode)
Signal Connectors	BNCs, Removable terminal blocks
Operating Temperature	-35° to +75°C
Power Requirements	11-24 VAC/DC @ 150ma.
Physical Size (mm)	5.0" H(127) x 1.0"W (25.4) x 3.0" L(76)

Note that all specifications are subject to change without prior notice.



### Important Features

- DC to 50 Mb/s Data Rate
- TTL, RS-422 Selectable
- Adjustment Free
- Signal and Power Indicators
- Stand-alone or Rack Mountable (same unit)

### Ordering Information

Transceiver	DX-7201-X
Transmitter	DR-7201-X
Receiver	DR-7201-X

"X" = Wavelength/Fiber  
-1 = 850nm Multimode  
-3 = 1310nm Multimode  
-7 = 1310nm Single-mode  
-9 = 1550nm Single-mode

For stand-alone operation order a PS-1205 power supply for each unit.

For rack mounted operation all operating power is provided by the power supply used with the rack panel.