

MDL500 FSK Wire Modem

- Unique FSK modulation is ideal for long-range data transmission in noisy conditions
- Supports distances up to 7 miles (12 km) over 4-wire lines; up to 4 miles (6.5 km) over 2-wire lines
- Offers multipoint line support for polled SCADA and PLC systems
- Handles RS-232 data rates up to 9600 bps
- Enables data to be superimposed over other signals such as instrumentation and power lines



The MDL500 FSK Wire Modem offers long-range RS-232 data transmission over virtually any dedicated wire (2- or 4-wire). It incorporates a special filter that eliminates out-of-band electromagnetic interference (EMI), and as a result, the MDL500 can

utilize most untwisted and unshielded wires with error-free operation. The MDL500 FSK can be used to communicate PLC data over sliding contacts with high reliability, including slip rings and rolling wheels, as well as shoes on conductor bars.

LCM100 Power Line Carrier Modem

- Transmits RS-232 data over 120 VAC power lines
- Ideal for communication to devices with existing power lines
- Sends data transmission up to 5,000 ft. (3,000 m), depending on electrical system



The LCM100 Line Carrier Modem sends and receives digital data over power lines in a facility, and permits full-duplex asynchronous data transmission over 120 VAC power lines at data rates up to 9600 baud. The LCM eliminates costly cable installations and, without the need for other modems or special equipment, achieves

efficient data rates with significant savings. Applications include material handling systems, stacker cranes, rotating casting tables, electronic sign control, conveyor belt monitoring, and underwater-installed systems.

FDM7000 Fiber Optic Industrial Modem

- Transmits serial data over multimode fiber optic cable
- Ideal for installations needing optical isolation
- Supports data transmission up to 1.4 miles (2.3 km)
- Available with RS-232, RS-422, or RS-485 interface options



The FDM7000 Fiber Optic Digital Modem offers maximum reliability and accuracy for fiber optic data communication in industrial environments. It provides optical isolation while supporting long-range, serial communications up to 115 Kbps over two fibers, and is immune to lightning, crosstalk, and ground noise,

while maintaining maximum immunity to interference. In addition, fiber optic cabling ensures data security because it's extremely difficult to tap into nonradiating signals. The FDM7000 will easily interface with PLCs, RTUs, and PCs with RS-232, and optional RS-422 or RS-485 interfaces are also available.