

DATA INTERFACE ERDI-12

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ERDI-12 is an interface between MOTOTRBO DM3000 and DM4000 series and other devices such as PCs, PLCs or RTUs using RS232, RS485 bus or Ethernet.



ABOUT PRODUCT

ERDI-12 is used for data transfers with the following protocols: Modbus ASCII, Modbus RTU, IEC-101, DNP3, Connection Oriented (x25 like protocol) and Connectionless oriented (broadcast). The data packet length is up to 500 bytes. ERDI-12 can be used as a digipeater as well. Radio channels can be changed with a command.

ERDI-12 acts as a radio communication interface for various devices. The devices can use a serial data port or an Ethernet port to connect to the ERDI-12. The data sent by the connected devices is forwarded to the local radio station through a USB connection. The local radio station then transmits the data to the remote radio station. Later the data is forwarded to the ERDI-12 which by using the appropriate communication interface (serial/Ethernet) sends the data to the connected device. Data transfer is packet-oriented. A 16-bit CRC value is used to detect data corruption.

SYSTEM REQUIREMENTS

Supported radio hardware DM3000 or DM4000 series

Interfaces USB interface to connect the MOTOTRBO

Interfaces RS232, RS485 or Ethernet for communicating with PC, PLC or other devices

Supported MOTOTRBO system architecture

Single Site, IP Site Connect, Capacity Plus, Linked Capacity Plus

Key Features

Supply voltage 9-36 V DC

Protocols Modbus ASCII, Modbus RTU, IEC-101, DNP3, Connection-oriented, Connectionless oriented

Status leds Power, Data, Error

Reliable data transfer 16 bit CRC and retransmission

Data packet length up to 500 bytes

Digipeater option



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