

SIMREX Corporation

DataMover™ D-Gate

IP Proxy Platform

WIRELESS data EXCELLENCE



SIMREX..Global wireless solutions. Wireless Data Excellence

For more than 2 decades, SIMREX Corporation's wireless products have been providing wireless networking solutions with applications in SCADA, telemetry, telecommunications, mobile data and online transaction markets. SIMREX Corporation provides licensed and unlicensed solutions, installed worldwide.

FEATURES/BENEFITS

- Management of both Ethernet & serial radio networks
- Enables migration of existing serial devices to IP networks
- SNMP proxy for SIMREX DataMover Radio Diagnostics protocol enabled radios
- IP Terminal Server function transparently encapsulates serial payload data into IP protocol
- Allows use of SIMREX DataMover D-View for simplified troubleshooting and network operation
- TELNET and Web Browser for simplified diagnostics and configuration

APPLICATIONS

- Gateway for serial/legacy networks and/or devices to IP network
- Full connectivity for SIMREX DataMover wireless networks through other service networks.

Introducing SIMREX DataMover D-Gate

The DataMover D-Gate is the ideal solution for preserving your investment in legacy serial devices, while facilitating migration to, or expansion of, an IP enterprise network for data collection.

The DataMover D-Gate solution provides integration of DataMover Network Wide Diagnostics into the enterprise network via the D-Gate diagnostic proxy server. This allows integration of your legacy radio products into the same SNMP network management system (DataMover D-View or other) as the rest of your network. In addition, the DataMover D-Gate adds webserver and Telnet interfaces for diagnostics and control of your DataMover serial radio network.

The DataMover D-Gate serves as an Internet Protocol (IP) terminal server gateway between an DataMover radio network and the enterprise network, bringing serial payload data onto the network. The standard DataMover D-Gate supports two user ports and is expandable up to 10 using any off-the-shelf USB to Serial expansion device.

Why use an SIMREX DataMover D-Gate Network Access Solution?

DataMover Wireless Network Integration enables migration of existing serial devices to IP networks to provide lowest cost of ownership.

SNMP Proxy for SIMREX DataMover Radio Diagnostics Software

SIMREX D-View Network Management System is based on a platform independent Java application. It is application independent with a centralized SNMP server and integrates with multiple vendor platforms.

DataMover™ D-Gate IP Proxy Platform Specifications

General

Configurations IP Terminal Server & Diagnostics Proxy

Physical Interface

Ethernet LAN (1) 10BaseT, RJ-45
 Serial (3) COM1: DCE, RJ-12
 COM2: DCE, RJ-45 EIA-561
 COM3: DTE, RJ-45 EIA-561
 USB (1) V.1.1 USB for Serial Port Expansion
 LEDs LAN, Com1, Com2, Com3, Power
 Power Connector Locking for UL/CSA Class 1, Div II (planned)

Protocols

Ethernet IEEE 802.3
 Spanning Tree (Bridging)
 IP (DHCP, ICMP, UDP, TCP, ARP)
 Serial PPP
 Transparent encapsulation over IP for serial async multidrop protocols including Modbus, DNP.3, DF1, BSAP.

Environmental

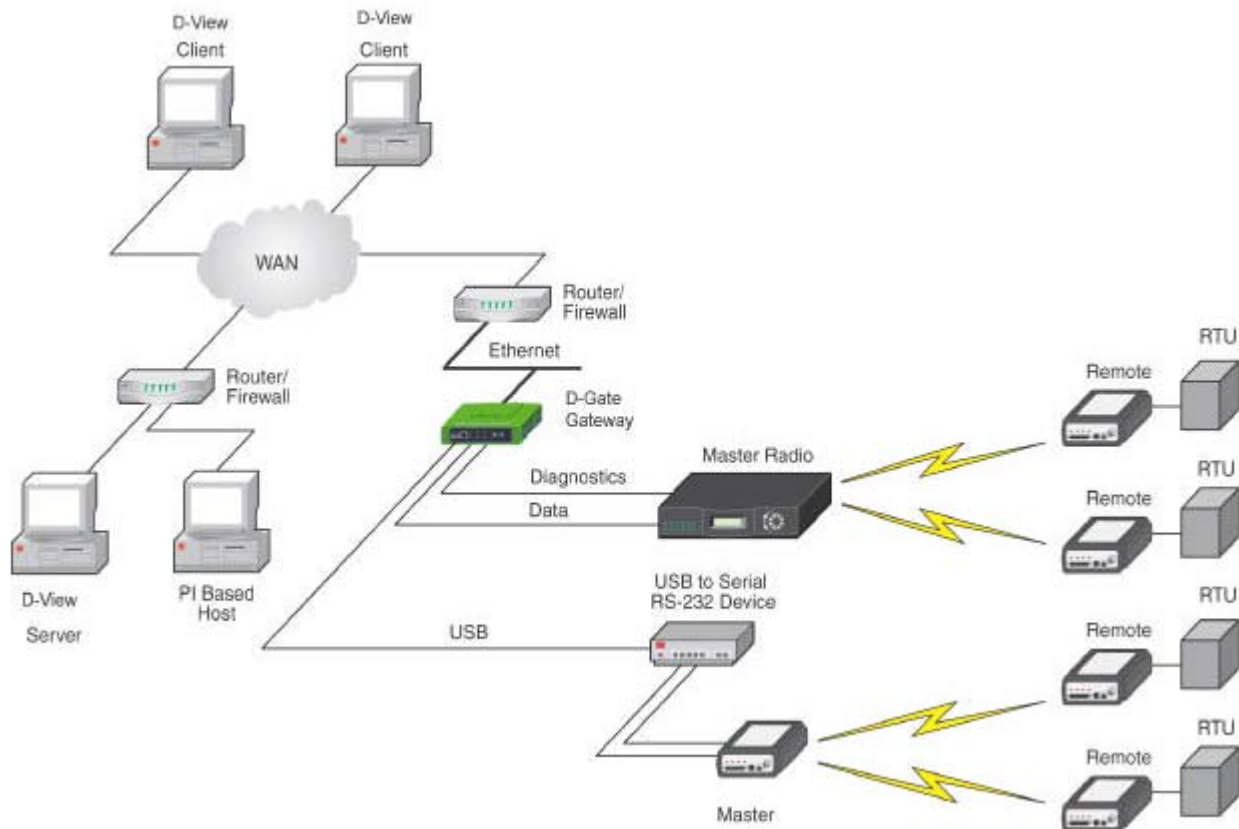
Temperature -40°C to +70°C (-40°F to +158°F)
 Humidity 95% at 40°C (104°F) non-condensing
 Input Power 10-30 Vdc (13.8 Vdc nominal)
 Current Consumption <125 mA at 13.8 Vdc

Mechanical

Case Die Cast Aluminum
 Dimensions 3.15 H x 17.2 W x 11.2 D cm
 (1.25 H x 6.75 W x 4.5 D in.)
 Weight 908 g (2 lb.)
 Mounting options Flat surface mount brackets, DIN rail, 19" rack (1U high)

Agency Approvals

FCC Part 15 (planned)



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SIMREX DataMover products are manufactured under a quality system certified to ISO 9001. SIMREX reserves the right to make changes to specifications of products described in this data sheet at any time without notice and without obligation to notify any person of such changes.
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