

elecsys REDIGATE SERIES

Edge-of-Network Gateways



The Elecsys RediGate series can help reduce operational costs by simplifying gateway management within simple or complex industrial systems. The RediGate 400 and 100-series enables a seamless migration path for quicker data acquisition, automatic communication failover, cyber security, bandwidth management, and protocol conversion throughout your entire industrial communication network.

FEATURES



Reduce Data Latency

- Optimize Data Handling
- Report by Exception
- Publish and Subscribe
- Data Concentrator



Standardize Field Integration

- Protocol Conversion
- Flexible Migration Path
- Scalability



Enhance Communication Reliability

- Cyber Security
- Automatic Communications Failover
- Automatic Host Failover



Enterprise Integration

- Message Oriented Middleware (MOM)
- Supervisory Control and Data Acquisition (SCADA)
- Enterprise Resource Planning (ERP)
- Electronic Flow Measurement (EFM)
- BIG DATA Analytics
- Many more...



Manufactured
in the USA

APPLICATIONS

- Standard I/O configuration: 3 RS232, 1 RS485, 4 Ethernet, 2 USB expansion ports
- 64MB flash memory, 256MB dynamic RAM, optional removable SD card memory
- Built-in support for most protocols
- Internal data channel, functions as a terminal server providing multi-protocol routing
- Automatic communications failover
- Virtual serial ports (using internal data channel) provide socket connections to tie processes together
- Remote programmability and configuration over secure connection
- Many options for data security (TLS, SSH/SSL, SFTP, SCP, VPN, IPsec, Firewall, etc.)
- Fits Report-by-Exception, Publish/Subscribe and Poll/Response data architectures

RediGate 400

With a wide selection of industry standard and legacy protocols, the RediGate 400 can gather data from almost any field device and deliver it to your enterprise data systems. Combining our Advanced Configuration Environment (ACE) with one of the industry's best application programming languages (ISaGRAF), the RediGate 400 and 100 series can be easily programmed for most applications. The RediGate 400 has an optional integrated cellular modem and also supports I/O expansion options enabling the unit to be easily customized for

your specific application. Utilizing its native MQTT client the RediGate 400 directly interfaces with messaging middleware/data brokers, new and legacy SCADA hosts, ERP systems, Leak Detection, Maintenance Systems and other enterprise applications. Elecsys also provides the "Elecsys HCP2" (host communication processor 2) or OPC software packages to enhance the performance and capabilities of your existing system.

RediGate 100-series

The RediGate 110 and 120 products feature a comprehensive selection of industry standard and legacy communication protocols. The RediGate can gather data from almost any field device and route real-time data through enterprise data systems by utilizing either an Ethernet or cellular data connection. Combining our Advanced Configuration Environment (ACE) with one of the industry's best application programming environments (ISaGRAF), the RediGate can be easily programmed for most applications.

Utilizing its native MQTT communications protocol, the RediGate interfaces directly with message-oriented middleware, data brokers, new and legacy host systems, cloud hosted applications, and many other enterprise applications. Elecsys also offers an optional OPC Host Interface software package to integrate field data into an OPC environment.

