aparian

DNP3 Router

DNP3 to EtherNet/IP Router

Route DNP3 to Logix

Master or Outstation

Secure Authentication

Report by Exception

900k DNP3 Events

Direct-to-Tag Technology

DNP3 Serial RS232

DNP3 TCP/UDP

All “Operate” functions

Built-In Packet Analyser

DIN Rail Mount

Support for Micro850

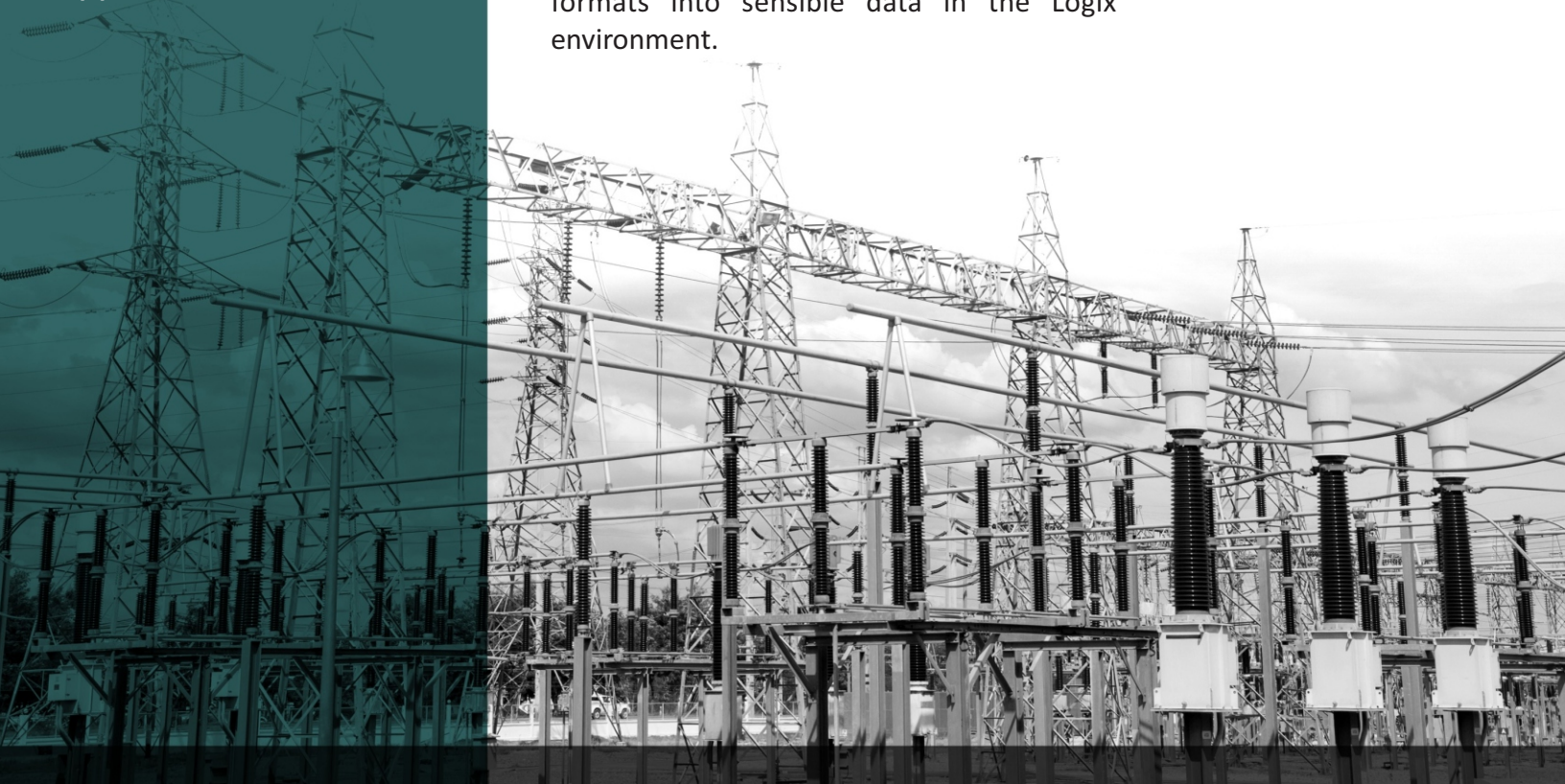
The DNP3 Router provides intelligent data routing between EtherNet/IP and DNP3 (serial, Ethernet UDP, or Ethernet TCP). This allows the user to integrate DNP3 devices over a secure link into a Rockwell Logix platform (e.g. ControlLogix or CompactLogix) with minimal effort.



The DNP3 Router is able to transfer data from various DNP3 devices to a maximum of three Logix controllers. The module operates in one of three modes, simplifying the configuration for all applications.

DNP3 Secure Authentication 5 enables the user to connect DNP3 devices to a Logix platform securely. The module also provides a range of statistics and a traffic analyzer to help fault find any problems.

Direct-to-Tag technology enables the module to exchange data between user tags in Logix and DNP3 devices. Previously complicated data mapping is made easy by precompiled UDTs which converts the various DNP3 data formats into sensible data in the Logix environment.



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Reactive Mode

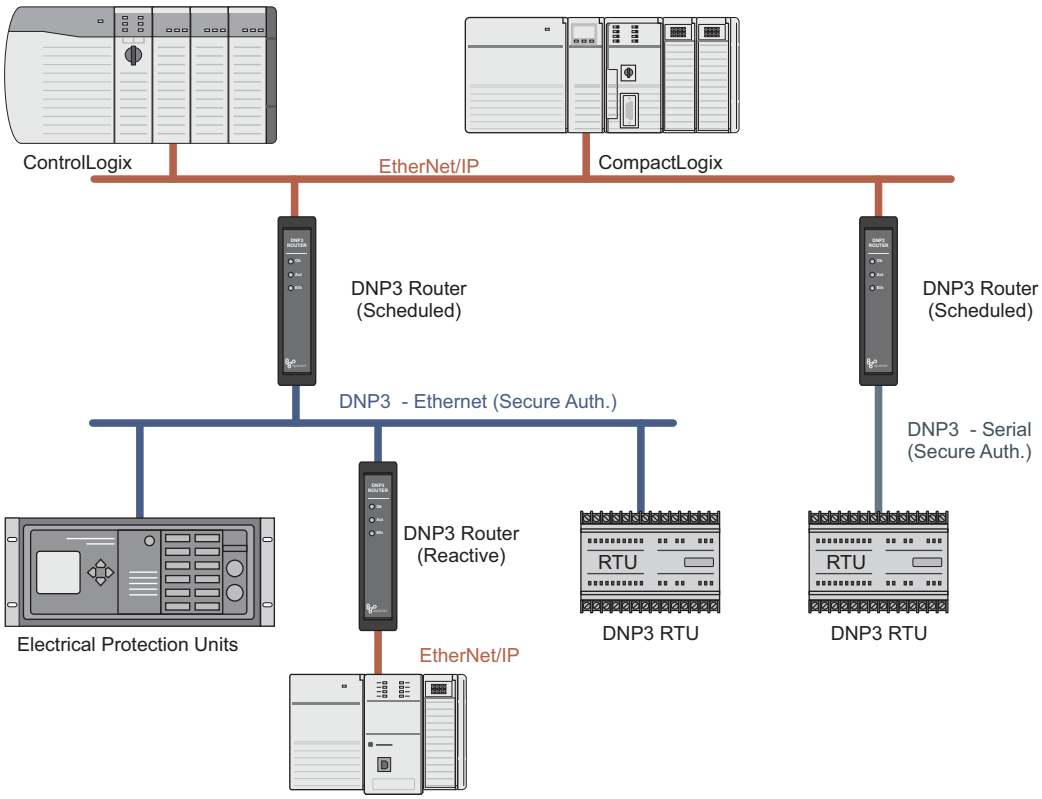
In Reactive mode the DNP3 Router will operate as a DNP3 Outstation and convert DNP3 messages to Logix controller tag read and write actions.

Scheduled Mode

In Scheduled mode the module operates as a DNP3 Master and uses a pre-configures schedule, to exchange information between user tags in Logix and the DNP3 devices.

Unscheduled Mode

In this mode the DNP3 Router provides a pass through function for Logix message instructions.



EtherNet/IP

c UL us LISTED
CL 1 DIV 2 GRP A,B,C,D
E494895

Specifications

Parameter	Rating
Power requirements	10 - 28 VDC (70mA @ 24VDC)
Operating temperature	-20 - 70 °C
RS232 (DNP3) Isolation	2500 V
Key Change Method	Pre-shared
MAC Algorithms	HMAC SHA-1 / SHA-256, AES-GMAC
Ethernet	10/100 Mbps, Full/Half Duplex, Auto-MIDX
Logix controller max	3
Mapping item max	30

DNP3 Router
A-DNP3R

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