







# PLX51-DNPS Product Launch Customer Presentation

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# Prosport What will we be talking about?

- More reliable and accurate data from remote sites
- Determine what happened when and at what time
- Get notified of alarm conditions as a priority.
- Verify that a remote asset is working before triggering a control action



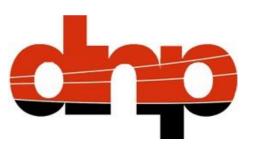


# Prosoft Solve by using...

### **Distributed Network Protocol**

- Open standard
- Scalable
- Secure authentication
- Time-stamping at the source
- Support for push and pull
- Supports slow networks



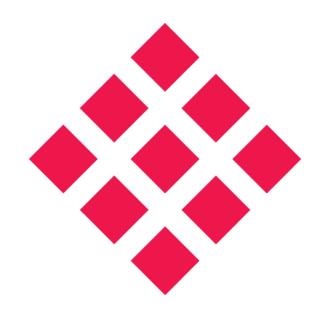


#### Of DNP3...

- Developed by Westronix in the late 80s
- •Open standard since 1993, controlled by the DNP3 users group
- Standard for NA power utilities
- Proven protocol, globally

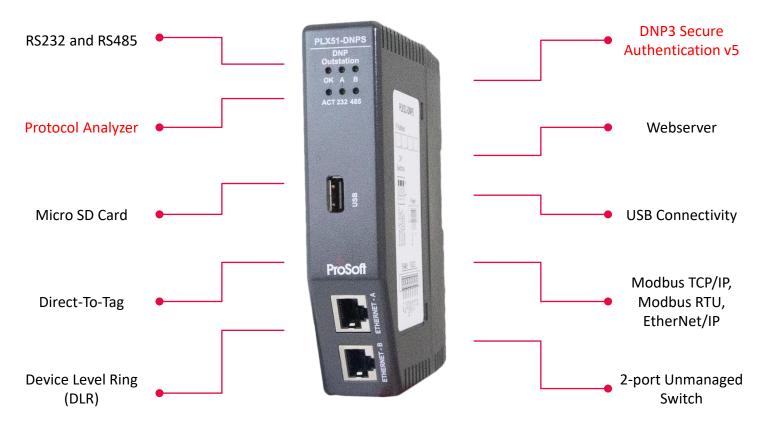


## **Product Details**





### Prosoff Feature-Rich Solution





### DNP3 Secure Authentication v5

#### Encryption vs Authentication

- Encryption meaningful data is garbled and cannot be understood, has to be decrypted
- Authentication convince the other party of who you say you are

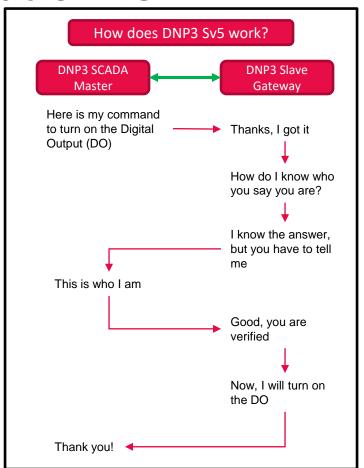
#### o Why?

- Works on any network increase security without upgrading comms network
- End-to-end authentication, in addition to network security like TLS
- Reduced risk of unintended actions like turning on a DO by mistake

#### Some Acronyms

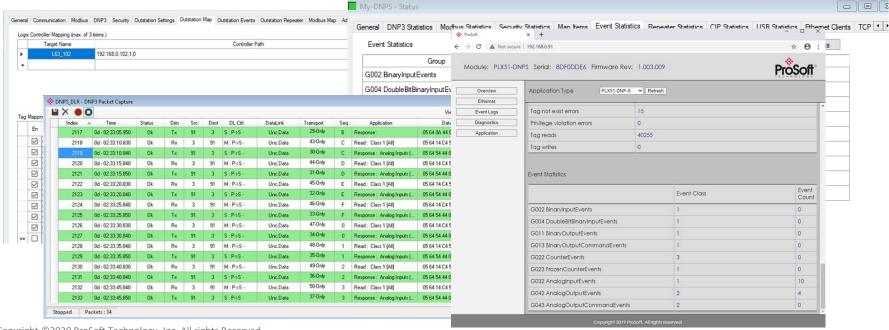
- Sv5 = Secure Authentication, version 5
- NIST = National Institute of Standards and Technology
  - One of the oldest lab / standards authority
- NERC CIP = North American Electric Reliability Corporation Critical Infrastructure Protection
  - o Set of requirements designed to secure NA power system
- DNP3 Sv5 will help with NERC CIP compliance

Key Takeaway: Between the NERC and the NIST, the CIP and the Authentication – we've got you covered!



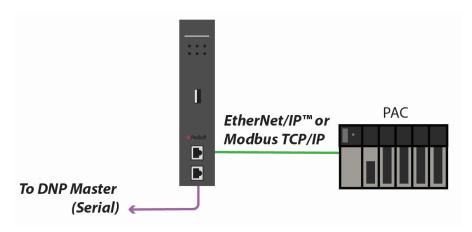


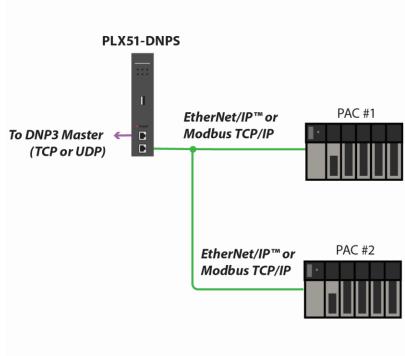
 Configure using PLX50 configuration utility, which can be downloaded from <a href="https://www.prosoft-technology.com">www.prosoft-technology.com</a> for free!





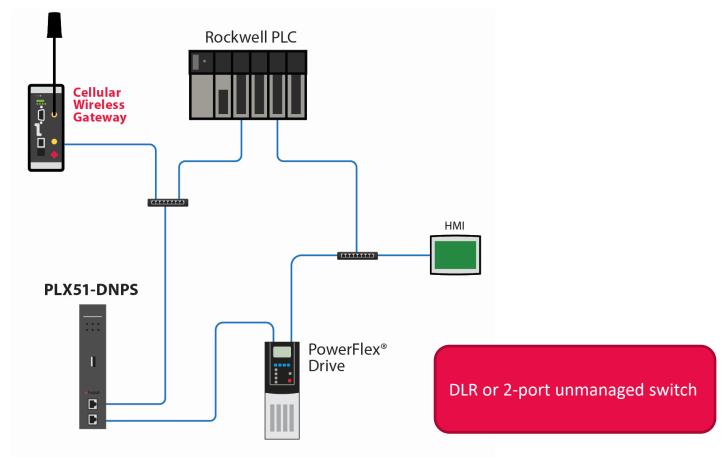
# Prosoft Serial or Ethernet, Single or Multiple





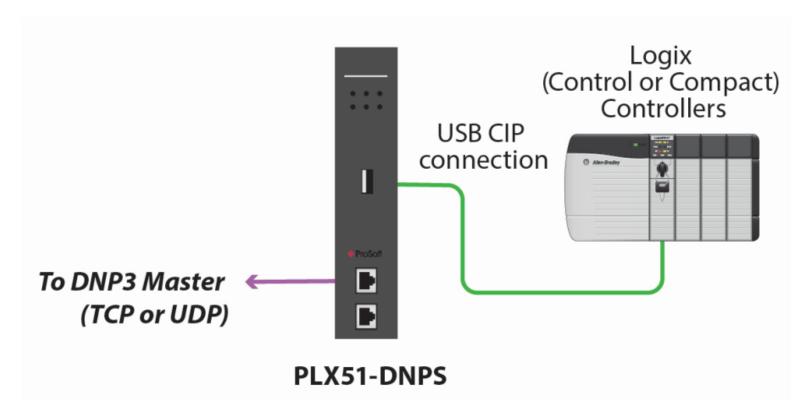


### Prosoft The gateway supports Device Level Ring (or DLR)



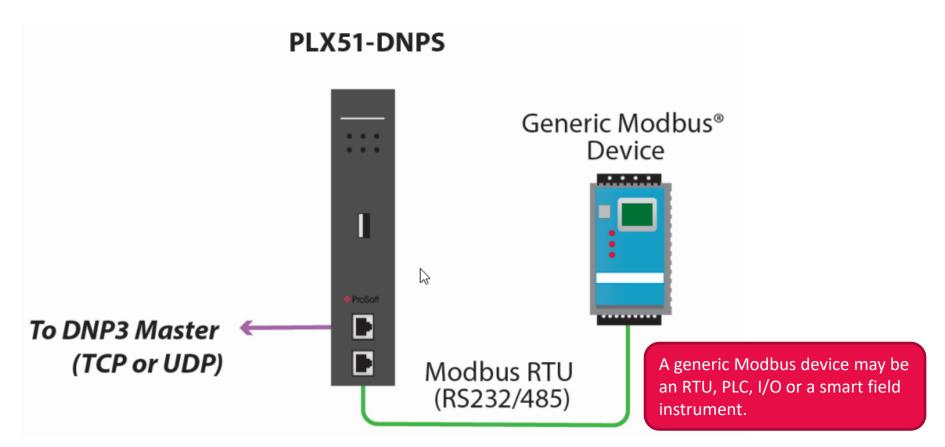


### **USB Connection to Rockwell Logix Controllers...**



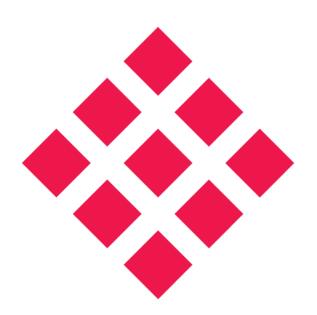


### Prosoff Connects to Modbus Controllers





# Summary





- The PLX51-DNPS gateway enables intelligent routing between DNP3 and EtherNet/IP or Modbus protocols.
- The PLX51-DNPS gateway:
  - Is flexible and easy to configure
  - Supports secure authentication
  - Includes webserver, SD Card, and advanced diagnostics
  - Is optimized for Rockwell architectures
  - Supports Serial, USB, and Ethernet communications
  - Supports Modbus RTU/TCP/IP and EtherNet/IP
- Integrating the PLX51-DNPS into your SCADA and Telemetry system will help:
  - Capture data with no holes
  - Time- and date-stamp data at source
  - Get alarm conditions to SCADA faster











# Questions?

Thank you!





○ PLX51-DNPM

