

NetDecoder

Industrial Communication Analyzer

Clarity from Complexity

When something goes wrong with your industrial network, spending time and resources trying to diagnose and resolve the problem is very costly.

> With NetDecoder, you can learn about impending problems before they occur. It's an intuitive, passive network monitor and troubleshooting tool that offers high level views of your network activity and helps you understand your communications traffic.

In an environment that demands deterministic control and information exchange, having the right tool to help you understand your network activity is absolutely critical. And that is just what NetDecoder delivers for a broad range of serial, Ethernet and industrial protocols and buses.

Use the same tool Rockwell **Automation Network Services** engineers use globally.

Product Highlights:

- · PC-based Industrial Communications analyzer
- · Supports serial, Ethernet & industrial buses

- DF1/PCCC
- IEC 60870-5-101
- Modbus RTU
- IEC 60870-5-103
- Modbus ASCII
- BSAP Bristol Babcock
- DNP3
- ABB COMLI
- Emerson ROC BACNet • IEC-60870-5-102 • Saia-Burgess S-Bus
- CC-Link

Ethernet

- Modbus/TCP
- IEC 60870-5-104
- ProfiNet
- PROFINET
- DNP3
- CC-Link IE
- EtherNet/IP (includes CIP and PCCC)
- Allen-Bradley CSP/PCCC

Industrial

- DeviceNet
- CAN 2.0 A
- ControlNet
- Allen-Bradley DH-485
- Allen-Bradley Data Highway Plus

Rockwell **Automation Encompass Product Partner** Americas

NetDecoder

NetDecoder is a passive and easy-to-use network monitor that helps less-skilled troubleshooters understand what is happening on their communications networks. The Dashboard View. Network View Network View, Statistics Display and Frame Display are intuitive, easy to read, and quickly provide a wealth of information about the network. Although NetDecoder is simple to work with, it does

provide a level of sophisticated and detailed information demanded by today's network specialist.

NetDecoder's Node Statistics

Network View enables you to see statistics on specific nodes including communications traffic details and node information for active nodes on the monitored side of the switch.

Individual Active Node Information

- Packets Transmitted and Received
 Broadcast Information
- Bytes Transmitted and Received
- DNS Names
- · Nodes In and Out
- Utilization Information
- IP Address and MAC Address
- Named MAC Address
- NetBios Name
- Assigned User Friendly Names for Each Node

NetDecoder is a must for

• Field Service Personnel

SCADA Engineers

System Integrators

 Network Engineers • Maintenance Engineers

Ethernet Protocols



Serial Protocols



RS-422/485 ComProbe



Allen-Bradley / Rockwell **Industrial Bus Protocols**







Benefits

- · Reduce downtime and increase uptime
- · Improve network performance
- · Improve network security
- · Improve network maintenance
- Perform faster and more efficient network installations
- Rapidly develop industrial control and SCADA network products
- Perform better in Conformance testing of your network products

Partial User List

- Rockwell Automation
- Sunoco Logistics
- General Motors
- ExxonMobil
- Northrup Grumman
- Weyerhaeuser
- DTE Energy
- Cooper Power Systems
- Duke Energy
- Enbridge

PC System Requirements

- · Pentium 1 GHz or faster
- Windows XP (32-bit), Windows 7 (32-bit, 64-bit)
- RAM: 1 GB minimum, 2 GB recommended
- 50 MB free hard disk space
- One USB 2.0 Port
- Industrial buses require additional hardware

For more information, or to request an evaluation:

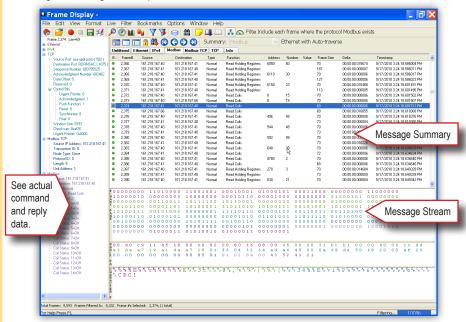
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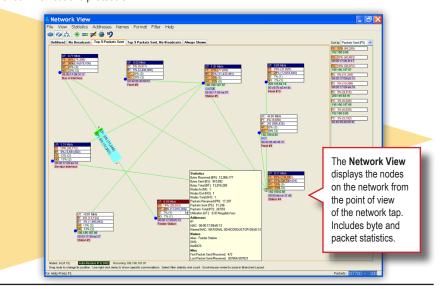
Industrial Communication Analyzer

Key Features

- Captures, decodes, timestamps, filters and displays data, and detects protocol errors (indicated in red) simultaneously, all live and in real-time.
- · Data is also displayed in binary, octal, hex, and ASCII.
- Familiar tree (Explorer style) protocol decode display with single-click protocol filtering.
- · Session notes and annotated bookmarks allow for quick identification of questionable messages.
- · Log data to single or multiple files.



Together with our comprehensive line of USB hardware interfaces, Frontline's NetDecoder protocol analyzer monitors and provides detailed timing, data, and messaging information for a wide range of communications protocols.





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