

Easylon® Software

Accessing Messages and Data

Analyzer

Network diagnosis

OPC Server

Access to LONWORKS network data



Easylon® Analyzer

Diagnosis and Management of LONWORKS® Networks

- Operates on unknown networks
- Detailed message information
- Consistency reports and transaction analysis
- Detailed node information and manipulation
- For Windows operating systems

The Easylon Analyzer is the pro's software tool to thoroughly investigate LONWORKS network communication and nodes properties. In combination with Interfaces⁺ or VNI interfaces from other vendors this Windows PC based program gives insight into network behavior. The advantage of Easylon Interfaces⁺ is their capability to run network analysis in parallel with other programs.

The Analyzer software offers comprehensive and flexible methods for data analysis. Specialists intimate with LONWORKS technology appreciate the Easylon Analyzer for its in-depth operations even allowing manipulation of the NEURON's® memory.

This diagnosis tool supports installation and maintenance of LONWORKS networks by lots of useful features.



Requirements and Recommendations

- Windows PC with XP, Vista, 7, or Server 2003, 2008. operating system
- Easylon Interface⁺ or Echelon VNI interface for network access. Easylon Interfaces⁺ allow simultaneous operation with other programs. The 1-ms-time-stamps require these interfaces, too.

EASYLON ANALYZER

Software for use with Easylon Interface⁺

P.S10501

Software for use with third party interface

P.S10502

- All messages on the screen
The Easylon Analyzer records all network traffic and displays the messages with all relevant information. Network variable (NV) updates are displayed with correctly formatted values facilitating the immediate understanding of messages.
- Detailed information
1-ms time stamps, sequence and transaction numbers, service type, source and destination addresses, text display with NV names and values formatted according to SNVT type, hex dump and CRC errors.
- Trigger and filter to find relevant events
In order to sift out essential information from the mass of data, the Easylon Analyzer allows filtering according to address- and NV-parameters, triggering dependent on filters and logical combinations of filters and triggers.
- LNS database is not required
The Easylon Analyzer operates on unknown networks. All relevant information is collected either by monitoring network traffic or via a "scan and upload".
- Consistency report and transaction analysis
Are there quirks in your network? The Easylon Analyzer's consistency report tracks down nodes which have not been installed, addresses which have been assigned twice, incomplete bindings and similar problems, which other-wise would remain hidden. The transaction analysis displays erroneous transfers.
- In-depth network node information
 - The nodes list contains all detected nodes, with address information, location and self-documentation
 - The node information contains all structures of the NEURON Chip
 - Node commands comprise wink, reset, on-line, off-line, EEBlank, set location and even allow writing to the NEURON's memory.



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