Network management software „PROmanage®“

Function

PROmanage® is a central software (incl. database) to analyze, manage and store data of the communication quality in industrial networks. By using the standard SNMP queries all port statistics of the manageable switches can be queried at minute intervals and stored with a timestamp, for example. With this sophisticated analytical technique irregularities can be detected immediately and adjustable thresholds trigger an alarm. Through this statistics function the data are available to the minute up to one year. Thus historic events, such as sporadic failures, can be tracked at any time and used for cause study.

Logging of network data (SNMP)

The network data are logged by the standardized Ethernet protocol „SNMP“ (Simple Network Management Protocol). At a pre-defined interval all INspektors® and switches are queried cyclically by the management software PROmanage® (standard: 1 minute) and the data stored in a MySQL database.

Display of network data

All collected network data can be displayed on every PC in the network via a web-based interface. The existing Internet browser (Microsoft Internet Explorer or Mozilla Firefox) is used for this purpose. No other software needs to be installed to display the network data. These data are available to the user as statistics (reports) and event messages (event lists).

Statistics (reports)

Based on PROmanage® a large number of graphic reports with current and historic data can be produced. Depending on the application chronological sequences of the network performance and device-related fault rate can be shown.

Event messages

With the integrated threshold management limits can be defined for every network parameter. When these limits are reached the event is entered in the event list together with a time and description. Network faults can thus be retrieved by fast click.

Alarms

An implemented alarm management forwards event messages automatically. By selecting a modern information medium (e-mail, news service) all messages can be transferred to the responsible unit in a timely manner. Transmitting routes can thus be shortened and undesired plant shutdowns avoided.

Note

In the Ethernet one Device is equal to eight switch ports. Example: For one manageable switch of 32 ports the resources of 4 Devices have to be reserved in the PROmanage®.