Objectives and Features

- Up-to-date DSL-technology for today's tasks of process data processing
- Communication technology for telecontrol engineering especially for IEC 60870-5-104
- Replace voice frequency modems with high performance IP networks without changing RTUs
- DSL-connection over 2-wire copper with transmission rates from up to 2304 kbps
- Automated adaptation of the transmission rate to the line quality
- Bridges distances of up to 20 km (at a wire diameter of 0.8 mm)
- 2 modems (channels) in one device: cascaded use of transmission lines can span distances of several 100 km
- Integrated Ethernet switching or routing between the interfaces
- Support of redundant transmission lines for failure protection and high availability of the network
- Remote management – Remote configuration – Remote monitoring over IP
- Available for 19" rack and DIN-rail use
- Portable configuration stick for easy exchange of devices

Supported Transmission Protocols

- Ethernet according to IEEE 802.3 / IEEE 802.3u (10Base-T / 100Base-TX), opt. 4-Port Switch
- Fiber Optic Ethernet acc. to IEEE 802.3ah (100Base-LX10), Range approx. 10 km, optional 40 km
- SHDSL according to ETSI TS 101 524 and ITU-T G.991.2

Supported Application Protocols

- Telnet for remote management
- Trivial File Transfer Protocol (TFTP) for firmware and configuration transfer
- Simple Network Management Protocol (SNMP)
- Simple Network Time Protocol (SNTP) for time synchronization
- Syslog for central logging of events
- Link Layer Discovery Protocol (LLDP) according to IEEE 802.1AB for neighbour discovery
- Hypertext Transfer Protocol (HTTP) for simple basic configuration through web server
- Rapid Spanning Tree Protocol (RSTP) according to IEEE 802.1D in switch mode
- Routing Information Protocol (RIPv2) with split horizon and triggered updates in router mode

Further information:
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