

Data sheet

KUNBUS-EDS 2100

Ethernet-Data-Sniffer

With the KUNBUS-EDS Ethernet Data Sniffer, KUNBUS introduces a device for the analysis of all common Industrial Ethernet solutions. With four sampling ports, this device permits logging of up to two independent real-time Ethernet channels. A small internal propagation delay of only about one μs makes the KUNBUS-EDS Ethernet-Data-Sniffer nearly transparent for the data channels to be observed.

The connection of the Data Sniffer to a PC is made via a standard Gigabit Ethernet interface. The visualization and analysis of the captured data packets can be done by freely available network monitors such as "Wireshark".

GENERAL TECHNICAL INFORMATION

- Supply voltage 12 to 30 V (DC) or 230 V (AC) power supply
- Weight approximately 150 g
- Dimensions (W x H x D) approximately 100 mm x 150 mm x 40 mm
- Rubber coating for shock protection
- Allowed ambient temperature range during operation 0 °C to +55 °C
- Allowed ambient temperature range for storage -25 °C to +85 °C
- Allowed relative humidity 95 %, no condensation
- EMV-certified
- Protection type IP 20
- CE approval

SPECIFICATIONS

- Number of Ethernet ports 4+1 (recording of two channels)
- Uplink port:
 - 1 Gbit/s 1000BASE-T Ethernet
 - RJ45 jack
- Probe ports:
 - 100 Mbit/s 100BASE-TX Ethernet
 - RJ45 jack
 - Full duplex
- Propagation delay approximately 1 μs
- Timestamp resolution 1 ns (from version 2.0)
- Diagnosis: 3 LEDs per channel:
 - Link activity
 - 100 Mbit
 - 1 LED for future expansions

