CAPTURE MODULE ILAS COMBO

SIMPLIFY ILAS NETWORK ANALYSIS WITH THE CAPTURE MODULE ILAS COMBO

DESCRIPTION

Introducing the new **Capture Module ILaS Combo,** state-of-the-art technical hardware product from Technica Engineering. Designed to offer advanced capabilities for extensive automotive network monitoring and analysis, this product is the perfect solution for those looking to work quickly and efficiently with ILaS technology.

The Capture Module ILaS Combo is capable of capturing ILaS (ISELED Light and Sensor network) traffic on up to 4 links simultaneously without disrupting the network topology. In addition, it can also capture one 10BASE-T1S link. The device captures traffic and logs it together with an accurate source hardware timestamp (using the open Ethernet TECMP protocol) over a 1000BASE-T or 100BASE-T1 interface.

The Capture Module ILaS Combo also incorporates 10BASE-T1S events logging capabilities which allows the device to react to situations such as beacon received, end-of-stream delimiter error, PLCA symbols detected/ missing or PLCA empty cycle. With this features the product provides deep insights into the network and a reliable solution for network diagnosis.

With high-speed startup and the startup buffer, data capturing starts quickly and accurately. The product also supports Network Time Synchronization (802.1AS gPTP automotive profile as GM/Master/Slave) and in combination with the precise hardware timestamping it is the ideal solution for the latest trends in the automotive industry.

Along with this, there are more notable features, e.g. individual status and error LEDs per link (making it easy to monitor the network status), a high input voltage range of 6.5 to 32 volt DC (ensuring automotive environments usage), external analog input for battery monitoring and effortless configuration through a webserver interface.

With its state-of-the-art features and capabilities, this device is the perfect tool for anyone using ILaS or 10BASE-T1S technology.

FEATURES AND FACTS

- **Advanced Network Monitoring**
  4x ILaS links (INOVA INLT220Q PHY) and 1x 10BASE-T1S link (Microchip LAN8670 PHY) allow for extensive network monitoring capabilities.
- **Accurate Timestamping**
  Source Hardware Timestamping of all captured traffic ensures accurate data analysis.
- **Startup**
  High-speed startup with a startup buffer, including time correction, enables quick and accurate data capturing.
- **Detailed Logging**
  Frame encapsulation for detailed logging information with open Technically Enhanced Capture Module Protocol (TECMP).
- **Customizable Filters**
  Configurable advanced filters with multiple actions and protocols options which enables effective optimization of the logging stream.
- **Easy Configuration**
  Quick adaption via webserver or dedicated UDP frames for automated test setups.
- **Network Time Synchronization**
  802.1AS gPTP automotive profile (GM/Master/Slave) to ensures reliable and accurate data analysis.
- **Wake-up Capable**
  Wake-up capable (IN/OUT) for easy test setup integration.
- **Manual Configuration**
  Rotary switch for easy configuration of the device IP address (Gbit, RJ-45) to allow multiple devices in one setup.
- **Clear Status Indicators**
  Individual LEDs for status and error (per link) to provide real-time information.
- **High Voltage Range**
  Nominal 12/24 Volt DC ensures compatibility with automotive environments.
- **Robust Design**
  Steel case with black powder-coating
- **Compact Size**
  36 x 166.5 x 130 mm