EmSA

CANopen MiniDiag
Hand-held Diagnostics

The CANopen MiniDiag hand-held unit provides flexible and sophisticated CANopen testing. Ideal for in application testing or workshop environments.

The CANopen MinDiag devices are compact, hand-held diagnostic and test devices for CANopen networks. Being a dedicated hand-held device the CANopen MiniDiag is especially suited for in-the-field use to perform diagnostic functions directly at machinery or vehicles. A continuous logging mode collects data for later analysis, for example with our optional Logxaminer software.

CANopen Network Status Overview

The status overview provides a summary of the most important information: the number of nodes found, number of boot-up messages, current bus load, longest message burst, SDO usage and LSS usage.

For each node found: its NMT status, its min/max heartbeat, its current message rate generated and node info where available (e.g. names of Virtual Devices implemented by a device)

Important Events History

The events history is a trace of the most important network events including LSS node ID assignments, NMT commands, boot-ups, emergencies, SDO aborts, first PDO use and time since reset.

Further functions and features include

- Power: extern 7-30V (not included)
- CiA447 Application Profile support
- Active network scan
- Single device control (NMT commands, LSS Master commands, generic SDO access)
- Executing write/configuration sequences
- Executing bootloader sequences to load firmware into devices
- Recognizing Virtual Devices where supported
- Execute CDCF (Concise Device Configuration File)

CiA 447 Tester or Gateway Simulation

The CANopen MiniDiag hand held module can be set into a CiA 447 tester mode as specified by the CiA 447 documents. It becomes an active node and can produce specified background traffic.

The optional gateway simulation turns the Diag into a CiA 447 gateway.

Order code

ES-DIAG-MINI: CANopen Mini Diag
ES-DIAG-SIM447: Mini Diag with 447 gateway SW

www.canopendiag.de