avisaro
Embedded Information Technology

Avisaro WLAN Logger Cube 2.0

C23766: with CAN interface

This WLAN logger records CAN data on a SD-Card. The recorded files can be read via WLAN, interface or using a PC with SD card slot. This WLAN logger is able to actively ask for data as well as to read passively. The logger can send the files directly or with delay. It can be put in place in a direct link (adhoc) or using the infrastructure of an access point.

General features

- One CAN interface
- WLAN Trailer
- Slot for SD cards (up to 16 GByte)
- Real-time clock with buffered power
- Programming logic for individual functions
- Wireless access to the data

Scripting

The logger is using small programs to control the process which can be easily adapted to the individual needs. This program – called ‚script' – is written in a modified language based on Basic (see Avisaro Webpage www.avisaro.com/tl/docu-home.html for guidance). Samples of standardized script functions are the recording and transmitting of data.

Avisaro delivers this logger in a ready-to-use status loaded with the basic script MC5: recording from CAN interface to SD card with timestamp

WLAN specification

WLAN 802.11 b/g
WPA (within an infrastructure) + WEP
Range-outdoor: max. 250 m
Range-indoor: 30-50 m

Mechanical data:

Dimensions: 98 x 64 x 34 mm, Weight: 166 g
Max. Temperature: -30°C - 85°C (if the used SD card does not make any further constraints)
Protection class of the box: IP66 (dust/weather)
Card slot is underneath the cover fixed by screws.

Interface: CAN

One CAN interface
Baud rate: up to 1 Mbit/s
Message format 2.0A and 2.0B
"Listen Only" mode possible
Load resistance switchable
The configuration of the interface can be changed accordingly.

Connector: screw terminal

A weather and dust resistant cable feeder lead to a screw terminal layouted as follows:

1. Signal Ground (GND)
2. Internal use (*)
3. not connected
4. CAN-L (Low)
5. CAN-H (High)
6. not connected
7. Supply Voltage (6-32V)
8. Supply Ground (GND)

(*) This pin provides 5V power supply to power sensors placed inside the Cube

DIP Switches

1. CAN Terminating Resistor
2. not connected
3. not connected

Command interface

In alternative to the scripting, commands can be sent via interface if the connected data source needs to rule the logger itself.

Power supply

Supply voltage: 6V-32V, consumption: ~ 1.0 W, reverse protection, Power Save option, Buffer length for real-time clock: appr. 1 month (charging time: appr. 48h).

For further information and updates see also the webpage of Avisaro AG: www.avisaro.com. The product is for professional use only. Read product manual carefully.

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