

Avisaro WLAN Cube 2.0

W23766: with CAN interface

This WLAN Cube transmits CAN data via WLAN. It allows communication either with machines and equipment or between them. The device can actively ask for data by its scripts which are little programs. It as well can transfer passively in reading the information.

General features

- One CAN interface
- WLAN Trailer
- Real-time clock with buffered power
- Programming logic for individual functions

Scripting

The device 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 as follows:

- Transferring data
- Modify the format
- Time stamp adding to the data

Avisaro delivers this device in a ready-to-use status loaded with the basic script WC1: transferring data via WLAN without modification.

WLAN specification

WLAN 802.11 b/g
WPA + WEP
Range-outdoor: 300 m
Range-indoor: 30-50 m

Mechanical data:

Dimensions: 98 x 64 x 34 mm
Weight: 110 g
Max. Temperature: -30°C - 85°C
Protection class of the box: IP66 (dust/weather)



Interface: CAN

One CAN interface
Baud rate: up to 1 Mbit/s
Message format 2.0A and 2.0B
"Listen Only" mode
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

Power supply

Supply voltage: 6V-32V, consumption: ~ 0.9 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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