



Avisaro WLAN Logger Cube 2.0

C21766: with RS232 interface

This logger with wlan records RS232 data on a SD-Card. The recorded files can be transmitted 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 either sends the files or the data are manually copied.

General features

- One RS232 interface
- WLAN Trailer
- Slot for SD cards (up to 16 GByte)
- Real-time clock with buffered power
- Programming logic for individual functions

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 as follows:

- Recording of data
- Time stamp adding to the data
- Sniffing one way

Avisaro delivers this logger in a ready-to-use status loaded with the basic script of storing and transmitting via TCP.

WLAN specification

WLAN 802.11 b/g
WPA + 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: RS232

One RS232 interface
Baud rate: 1200 bit/s to 1 Mbit/s
7/8 data bits
RTS/CTS and XON/XOFF flow control
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.Clear To Send (CTS):
Client is ready
- 4.Request To Send (RTS):
Avisaro has data
- 5.Receive (RxD) Data going to Avisaro Box
- 6.Transmit (TxD) Data going to device
- 7.Supply Voltage (6–32V)
- 8.Supply Ground (GND)

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



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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