



Avisaro WLAN Box 2.0

W25833: with RS232 interface and 2 WAGO connectors

This WLAN Device transmits RS232 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

- Two RS232 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 WR1: transferring data via WLAN without modification.

WLAN specification

WLAN 802.11 b/g
WPA + WEP
Range-outdoor: max 250 m
Range-indoor: 30-50 m

Mechanical data:

Dimensions: 51 x 72 x 24 mm
Weight: 70 g
Max. Temperature: -30°C - 85°C

Interface: RS232

Two 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: two WAGO ports

The box comes with two WAGO connector (type 734), the pin layout is as follows:

- 1.) Clear To Send (CTS): Client is ready to receive data
- 2.) Request To Send (RTS)
Avisaro wants to send data
- 3.) Receive (RxD) Data going to Avisaro Box
- 4.) Transmit (TxD) Data going to device
- 5.) Supply voltage (6 - 32 V)
- 6.) Supply and Signal Ground (GND)



(RTS / CTS for port 1 only)

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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