

Datasheet

Avisaro Base Module 2.0 B20511

with RS232, CAN, SPI oder I2C Interface (TTL level)



- Processor is run by the Avisaro firmware (preloaded).
- Module can be controlled by scripts written in a modified language based on Basic (for guidance see Avisaro Webpage www.avisaro.com/tl/docu-home.html).
- Several finalized scripts are available. Scripts can be modified or written individually.
- A real-time clock is integrated with external power supply.
- Base module is RoHS conform.

Interfaces

Between the following types of interfaces can be chosen - one type at the time.

CAN interface

- Two CAN-interface, thereof one with reduced capacity
- Message format 2.0A and 2.0B
- Passive "Listen Only" mode
- Active sending and receiving messages
- Baud rate up to 1 Mbit/s
- Signals exported as CAN Tx and Rx (3.3V-TTL level)
- Mode control for special CAN transceivers available

RS232 Interface

- Two RS232-Interfaces, thereof one with reduced capacity
- Baud rate: 1200 bit/s up to 1 Mbit/s
- 7/8 Data bits
- RTS/CTS and XON/XOFF flow control
- Signals with TTL Level

I2C Interface

- Master and slave mode up to 400 kBit/s

SPI Interface

- Fastest Interface up to 5MHz bus speed
- only slave mode

Power supply

- Power supply: 3.3V (+/- 0.1)
- Consumption: 90 mA (at 3.3V)
- Signal input TTL conform
- Separated power pin for the real time clock

Connection type

- The interface and the power are connectable by a 2 x 12 socket board in the usual 2.54 mm grid fed, distance of the two pin rows 33,02 mm. (see separate pin layout)

Mechanical data

- Dimensions: 37 x 32 mm, relevant height: 4mm
- Weight: 6 g
- max. Temperature range: -30°C bis 85°C

- b: relevant height of module: 4mm
- c: length of solder pin: 3mm
- a: extra relevant height if battery option is used: 3mm
- d: front edge to center of pin 1: 2mm
- e: back edge to center of pin 12: 1.5mm

