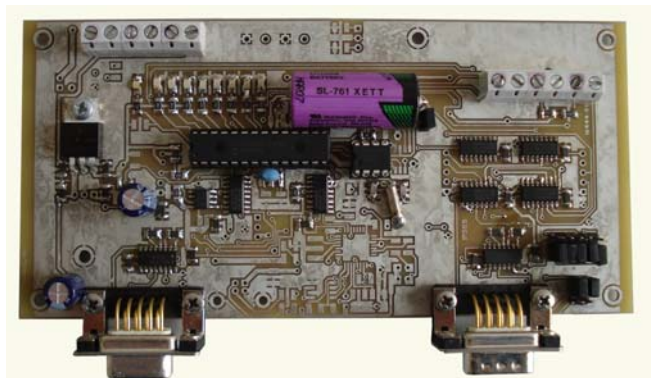# SerialLogger

## *RS232 interface standalone system for storing frames*

SerialLogger is a board which can monitor, ask and store data by a simple RS232 serial interface.

Logger functions can be customized by user by a simple software. The implemented functions are:

- Storing all data read by serial port.
- Setting of a temporal trigger which periodically gets the board to send a request command (user customizable) and then logger stores received data.
- Setting of an external trigger which gets the board to send a request command (user customizable) and then logger stores received data.

SerialLogger is a simple device to use (also thanks to its provided Windows software) and it is the most efficient answer to monitor and store data. Board is totally independent once set, it does not need PC connection to get and monitor data; moreover, a real-time clock is present in the system which allows to store time and date of each frame.
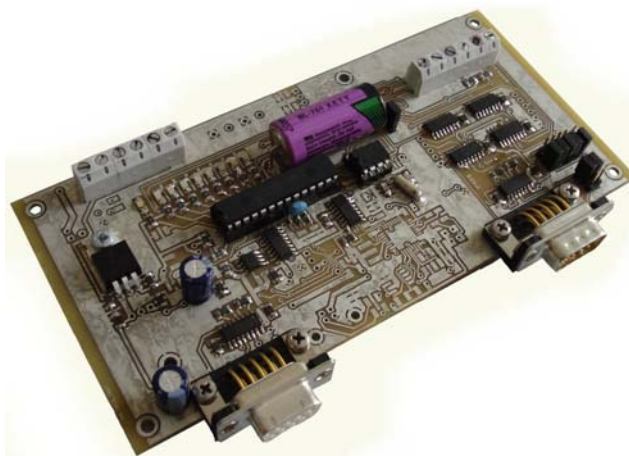
SerialLogger is provided with a Windows tool software which manages all its functions.

General tecnical features:
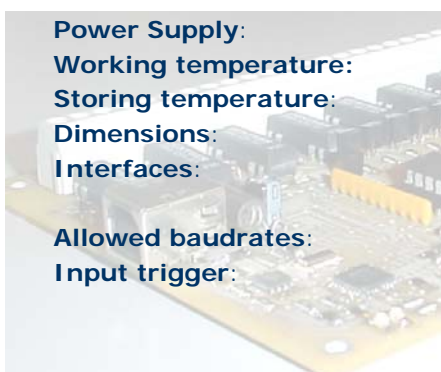
Power Supply:	from 7,5V to 15V (24V optional)
Working temperature:	from 0 to + 60°C
Storing temperature:	from -40°C to + 85°C
Dimensions:	161 x 78 (6.34 x 3.07 inches)
Interfaces:	1 RS232 serial to link an external device
	1 RS232 serial to link a PC
Allowed baudrates:	1200, 2400, 4800, 9600, 19200, 38400, 57600
Input trigger:	it can be linked as a button or as contact (customizable open circuit or short circuit)

Storing

Total memory capacity: 256kbit (32kbyte)

Maximum number of erase or write cycles: 100.000

Eight LEDs present on board suggests how much memory is full.

Mechanical features

Dimensions: 161 x 78 mm (6.34 x 3.07 inches)

Power connector: Terminal block – 5mm pitch.

Trigger connector: Terminal block – 5mm pitch.

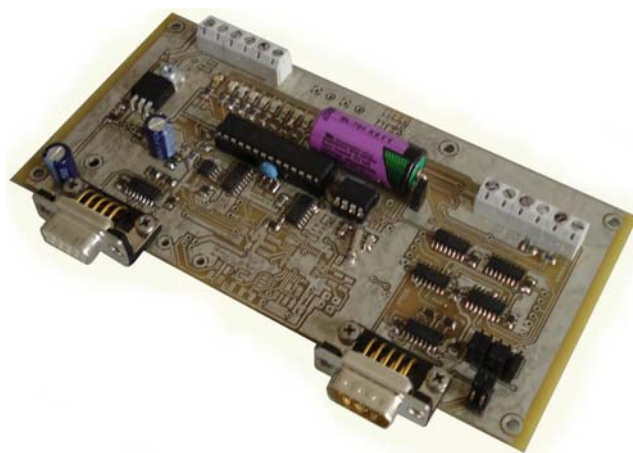PC serial connector: DB9 female

Logger serial connector: DB9 male

Serial communication

Standard: EIA RS-232 (CCITT V21/V24)

Speed (toward PC):   57.600 baud, hardware RTS/CTS controlled

Speed (toward device): user customizing (from 1.200 to 57.600 baud, with hardware RTS/CTS flow control or none customizing too)

Contacts

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