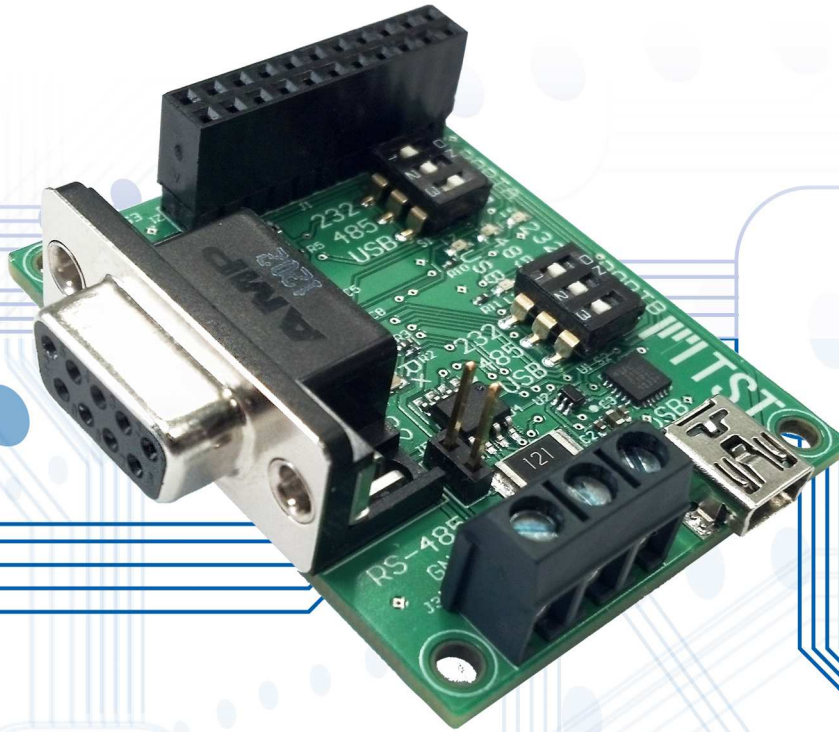


SERIAL BOARD

TSmart

MODULE THAT CONNECTS ANY SERIAL TERMINAL ON THE TSMART



The Serial Board allows connecting the PORT-A and PORT-B UARTs from the TSmart platform to external device through RS-232, RS-485 Half-duplex or USB serial interfaces. by switching the appropriated levers on S1 and S2 switches to the “ON” position.

The leds on the board will indicate the selected bus on each UART. Notice that only one serial interface should be selected on each UART at the same time, and the same serial interface should not be selected on both UARTs. Moreover, other expansion boards from the TSmart platform may use PORTA or PORTB as well, so that, all switch levers on such used ports have to be switched off.

KEY FEATURES

Connecting through RS-232

Connecting through RS-485

Connecting through USB serial interface

ELECTRICAL

Input voltage	3-3,6 VDC
Internal voltage	3,3 VDC
RS-232 supply current	300 μ A
RS-485 supply current	2 mA
USB supply current	17 mA

MECHANICAL

Dimensions	52 x 49 mm
Connectors	22 pins female sockets
	D-SUB 9 pos female socket
	5.08mm 3 way terminal block 26-14AWG
	Mini USB type B female connector

BAUDRATES

RS-232	300 Kbps (Min)
RS-485	10 Mbps (Max)
USB	2 Mbps (Max)

SOFTWARE INTERFACE

Communication	TST software library
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ENVIRONMENTAL

Operation temperature	-30°C / +85°C
Storage temperature	-55°C / +150°C
Relative humidity	5-95% RH
Certifications	CE