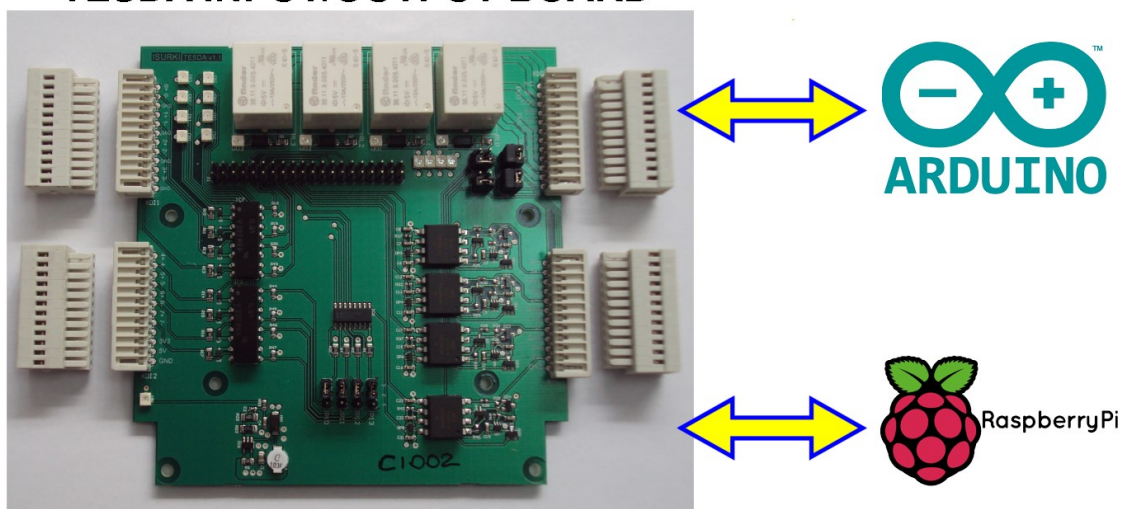


## DIGITAL & ANALOG INPUTS AND OUTPUTS INDUSTRIAL GRADE BOARD FOR ARM BASED COMPUTERS

ISURKI's "TESDA" analog & digital inputs and outputs board allows ARM based industrial computers to interface with harsh environments and to control industrial processes in a reliable and accurate way, directly connecting with field actuators, drives, sensor and detectors, thus enhancing the use of ARM ecosystems, such as TORADIX Colibri family, ARDUINO and RASPBERRY PI, in the control of industrial and environmental processes, featuring the next performances and characteristics.

- Power supply (required): 3.3 and 5.0 Vdc
- 8 digital inputs, for voltage free contacts or passive detectors (i.e., proximity inductive detectors) with included 18 Vdc auxiliary supply.
- 4 pin to pin configurable digital input/outputs. Digital outputs are relays with 1 SPDT contact with 6 A switching power.
- 4 x 4-20 mA (current loop) analog inputs, one by one configurable as active or passive signals, with included 18 Vdc auxiliary supply.
- Interface with CPU: 2 x 20 pin header (-X1), 100% compatible with TORADIX® Colibri family based System On Module (SoM) central boards.
- Inputs and outputs connectivity: independant 12 pins detachable Wago aerial connectors (included).
- Leds: aux. power supplies, DIs, DOs and AIs current level.

### TESDA INPUT/OUTPUT BOARD



TESDA board is fully designed, manufactured and supported by ISURKI, with available hot line through the IRIS BOX PC assistance service.