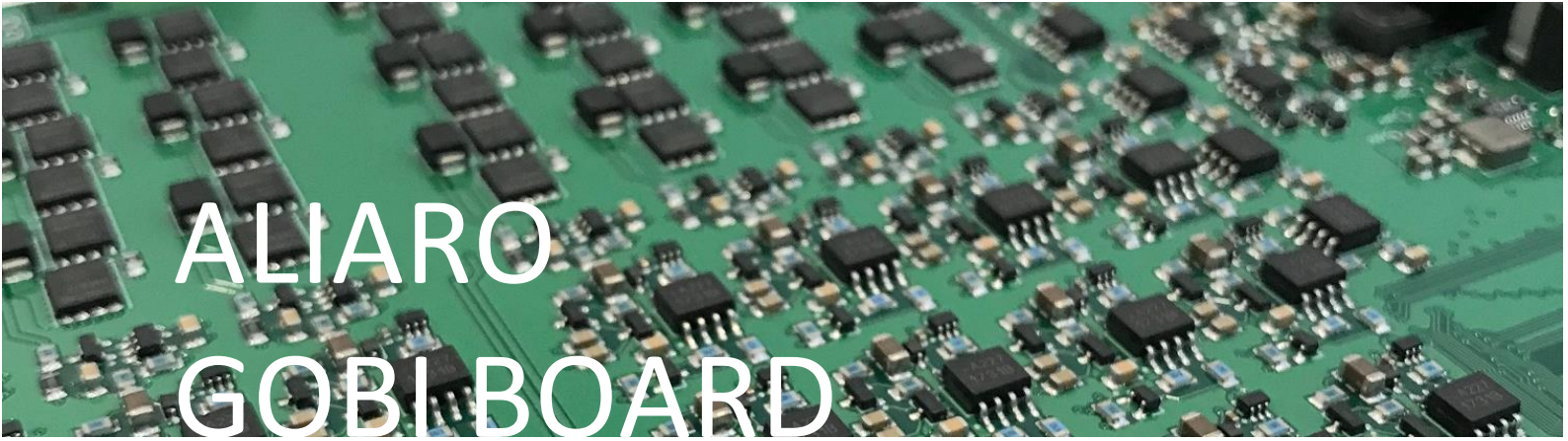
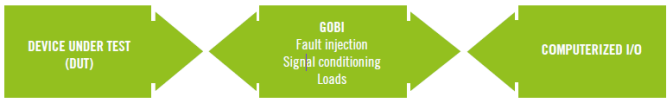


ALIARO GOBI BOARD

The Gobi FISC (Fault Injection, Signal Conditioning) board prov ides a flexible solution to connect the Device Under Test (DUT) to the computerized I/O, for simulation and test.Gobi provides customized signal conditioning for test during no rmal conditions. Furthermore, Gobi has break-up and short-circuit functionality for testing abnormal conditions, required when testing robustness and system safety.



xMove

- Uses Solid State Relays (SSR) for long durability, fast switching, high currents and voltages.
- Provides flexibility and scalability: Each channel can be configured as input/output, analog/digital, high/low current. Piggy-back area for customization.
- Built in digital signal conditioning enables use of low-cost I/O modules.
- High channel density for small and compact test systems.
- Gobi is part of Aliaro open test system platform xMove.

Application areas

- Functional test.
- HIL test.
- Production test.
- Repair test.
- Robustness and system safety test.

Features

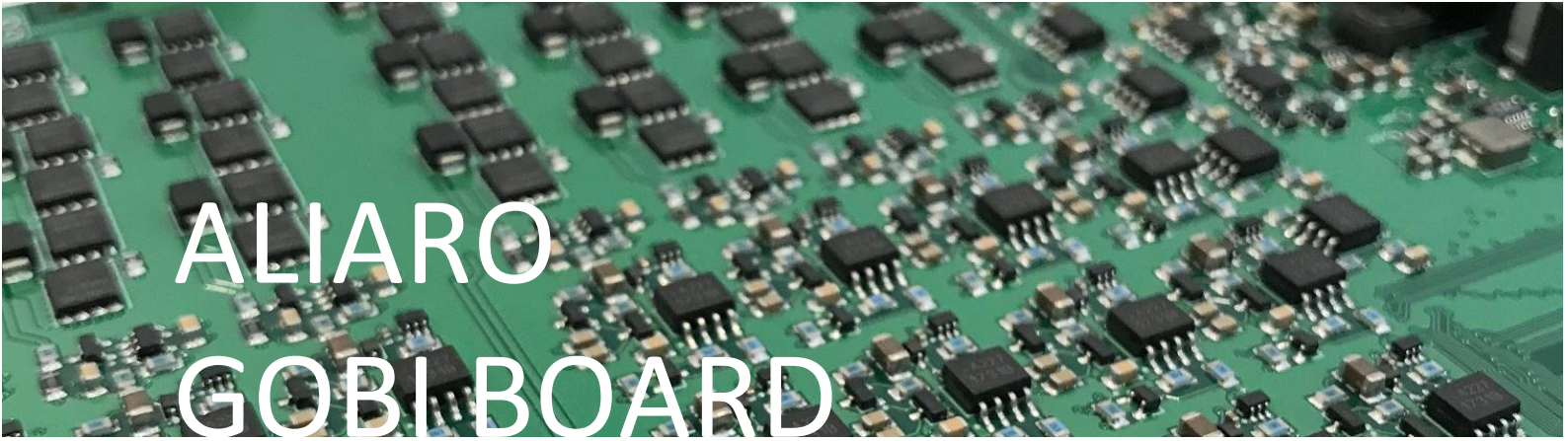
- 16 channels per board.
- 60V/15A with ability to group channels for higher currents.
- Fault injection: open circuit, short circuit to supply, ground or other channel.
- Built in digital signal conditioning to/from TTL levels.
- Measurement point and LED status indication on front.
- Galvanic isolation between test channels and on-board electronics.
- Piggy-back area for custom signal conditioning and loads.
- Over-voltage protection and soft-fuses using temperature monitoring.
- Computer controlled through RS232/RS485 network with open protocol.• Shipped with LabVIEW driver and interactive GUI

For more information visit: http://www.aliaro.com or contact us by mail sales@aliaro.com

The information provided in this document is preliminary and is subject to change by Aliaro without prior notice.

ALIARO

Aliaro is an established Test Solution & HIL (Hardware-in-the-loop) provider in Sweden with offices in Göteborg, Lund and Shanghai. We have together with National Instruments designed a modular, flexible and cost-efficient platform for testing and HIL where modules from NI and Aliaros flexible modules in SLSC chassis enables the customers to work in an open and changeable platform where rapid changes are allowed. We enable continues integration for faster and safer development. By working with our partners, we offer a global support with a comfortable support and warranty program for the customers to choose between.



ALIARO GOBI BOARD

Technical Specifications

Status indication and measurement point
- All channels are bi-directional for input and output signals.
- All channels are accessible through a standard 2 mm test socket on front panel.
- Multi-color status LED for each channel with configurable functionality; threshold level, polarity and ground reference.

Fault injection
- Open circuit (Break-Out).
- Short circuit to ground.
- Short circuit to supply.
- Built-in logic prevents accidental short circuit between supply and ground, it also protects I/O modules during fault injection.

Signal conditioning
- Any signal can be converted to a digital input.
  - Adjustable threshold 2–25V.
  - Opto-isolated TTL outputs to I/O.
  - 1 MHz bandwidth.
- Uses fault injection SSR as high current digital outputs.
  - High side-, low side- or aux switches towards supply, ground or other channel.
  - Opto-isolated TTL inputs from I/O.
  - 5 kHz bandwidth.
- Piggy-back area for customized signal conditioning. Typical applications:
  - Resistive loads.
  - Voltage conversion for analog I/O.
  - High precision current measurement.
  - Customized fault injection.
  -

Computer control functions
- RS232/485 interface.
- Signal status read-out.
- Fault injection operation.
- Piggyback I/O control.
- Fuse monitoring.
- Fault injection protection logic (Safety modes).
- Digital input signal configuration (Threshold and polarity).
- Shipped with an easy to use interactive control panel and a LabVIEW driver.

Mechanical para meters
- PCB size: 400x100 mm.
- 3U, 10TE according to 19” standard, IEC 60297.

Electrical para meters
- Power supply: 24VDC.
- 120V channel isolation.
- Operating voltage range: 60V within -60V to +60V.
- Max continuous current per channel: 15A.
- Max peak current: 100A/1s.
- Parallel connection of channels gives up to 170A.

Compliance according to
- RoHS.
- WEEE.
- EN 61010.
- EN 60950.
- IEC 60297.

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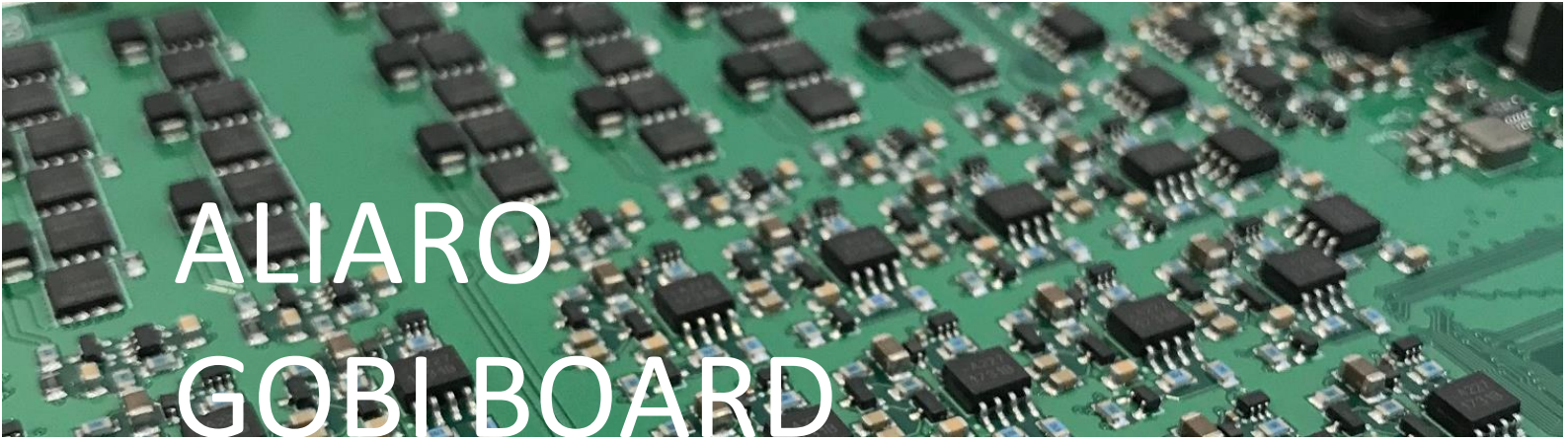

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