GENERAL DESCRIPTION
This interface allows to control imperix power modules with an RT-Box simulator. It provides the necessary signal connections and transformations to easily wire the digital outputs of the RT-Box hardware to the command inputs of the power modules, and retrieve any useful measurement to its analog inputs.

POWER SUPPLY
- 5V / +15V / -15V external supply required
- Approx. max consumption: 5W / 12W / 12W
- Recommended external supply: XP Power AEH45UM32
- Connector pinouts:
  - Main power supply connector (SD-50BV)
  - Alternative power supply connector

ANALOG INPUTS
- 16 channels, RJ45 connectors, -10 to 10V input voltage
- Configurable high-Z or low-Z input
  (connect jumper for 100Ω low-Z)
- +15V/-15V sensor supply (max 100mA/ch, 800mA tot)

DIGITAL OUTPUTS
- 16 independent channels
- Optical fiber wiring of the gating signals to imperix PEB or PEH power modules
- Max. prop. delay difference between 2 channels: 80ns

CONTACT
Imperix Ltd.
Rue de la Dixence 10, 1950 Sion, Switzerland
www.imperix.ch, sales@imperix.ch

ABOUT US
Imperix develops high-end control equipment and prototyping hardware for power electronics, drives, smart grids and related topics. Its products are designed to accelerate the implementation of laboratory-scale power converters and facilitate the derivation of high quality experimental results.