GENERAL DESCRIPTION

This interface interconnects the **BoomBox** controller to an **Typhoon HIL** simulator.

This way, any control implementation can be first tested – without any risk – on a simulated converter; before it is later tested on real hardware. In this second step, all cables can be instantly swapped from the interface to the real converter.

**ANALOG OUTPUTS**
- 16 channels, RJ45 connectors
- To be wired to analog inputs of the BoomBox
- -10 to 10V voltage range
- DIN 41612, Type R, 96 Positions connector

**DIGITAL INPUTS**
- 16 independent channels
- Optical fiber wiring to digital outputs of the BoomBox
- Max. prop. delay difference between 2 channels: 80 ns
- 5V supplied directly by the Typhoon HIL Simulator

**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.