

The Innova Link PECL multibeam sonar interface is a flexible solution for integration of single or dual head multibeam sonars to any remotely operated system.

The system provides 2 bidirectional PECL (Positive Emitter-Coupled Logic) interfaces, commonly used by multibeam sonar systems. This provides a transparent interface for e.g. the Reson and Kongsberg lines of multibeam products. The design is based on Innova's long experience with remotely operated vehicle systems and provides a wide range of features, including;

- 2 bidirectional PECL channels. One fibre channel required per PECL channel.
- Pressure tolerant electronics and optics option
- Single mode and multi mode fibre options
- Self test and diagnostics functionality (distributed to the AV board)
- Can be combined with other boards in the Link Family with the use of CWDM optical multiplexers

All the boards in the Link Family are designed to be mounted into a rack where boards can be removed separately. A backplane distributes power and diagnostics signal to all boards in the rack.

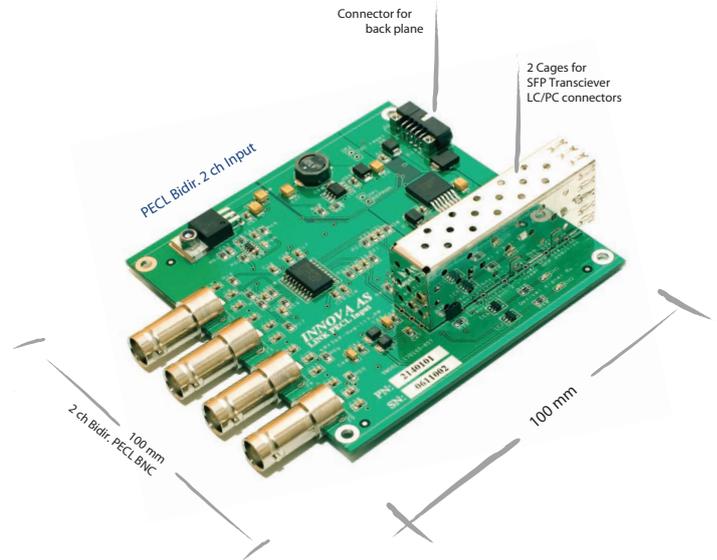
The output boards can be mounted into a topside rack, including backplane, power supply, and user interface.

A version of the boards and optics are available for operation in oil-filled, pressure compensated environments. Typical applications for this version are for use in sub-sea systems or in other harsh environments.

2 ch of PECL, bidirectional MAX 200Mbps One SFP per used channel

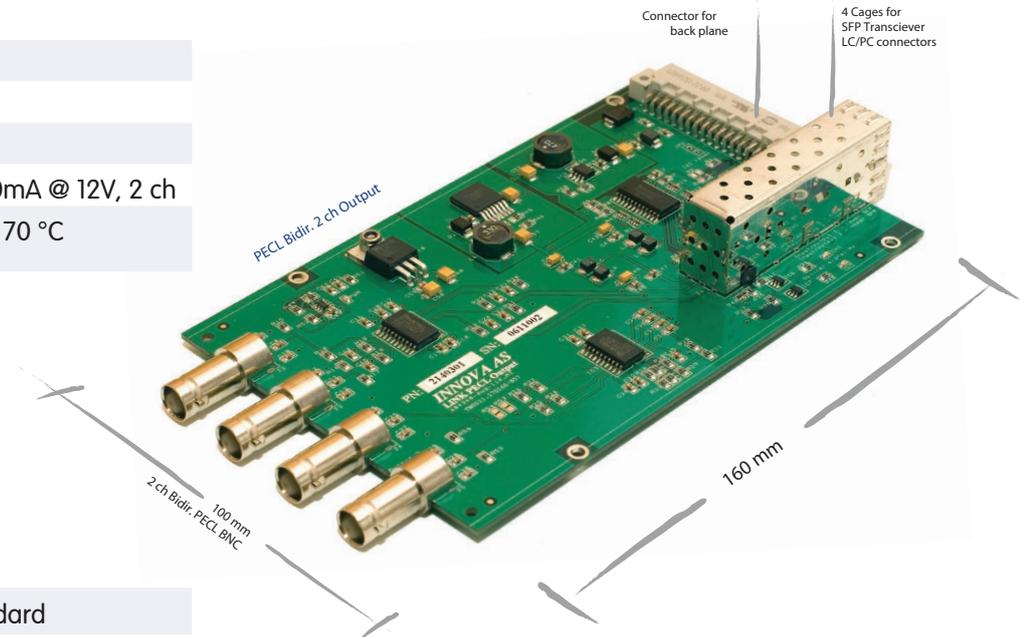
Input Board

- In/Out: 4 PECL (2 in/2 out)
- Two SFP cages
- PECL connection – BNC
- Board size: 100mm x 100mm
- Voltage: 6 – 12 V
- Typical idle power consumption: 300mA @ 12V, 2 ch
- Operating temperature range: -20 – 70 °C
*SFP temp range may be different
- Two versions of Input boards:
 - Standard
 - Pressure compensated oil (PC) 300 Bar



Output Board

- In/Out: 4 PECL (2 in/2 out)
- Two SFP cages
- PECL connection – BNC
- Board size: 100mm x 160mm
- Voltage: 6 – 12 V
- Typical idle power consumption: 300mA @ 12V, 2 ch
- Operating temperature range: -20 – 70 °C
*SFP temp range may be different



Part no

- 21 40 101 PECL Bidir. 2 ch Input, Standard
- 21 40 201 PECL Bidir. 2 ch Input, PC 300 Bar
- 21 40 301 PECL Bidir. 2 ch Output