

Link

PECL

www.innova.no

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

The system provides 2 bidirectional PECL (Positive Emitter-Coupled Logic) interfaces, commonly used by multi beam sonar systems. This provides a transparent interface for e.g. the Reson and Kongsberg lines of multi beam products.

Key features

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
- 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 over single fibre with the use of CWDM optical multiplexers

BIDIRECTIONAL PECL

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

INPUT BOARD

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

OUTPUT BOARD

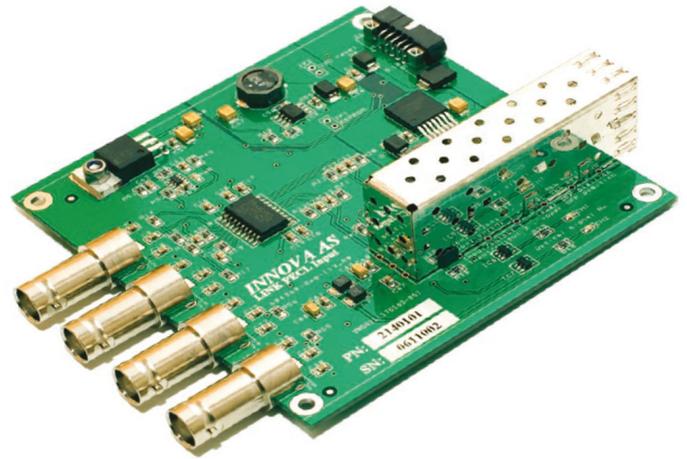
In / Out: 4 PECL (2 in / 2 out)
Two SFP cages
PECL connection – BNC
Board size: 100 mm x 160 mm
Voltage: 6 – 12 V
Typical idle power consumption: 300 mA @ 12 V, 2 ch.
Operating temperature range: -20 °C to 70 °C
*SFP temp. range may be different

PART NO.

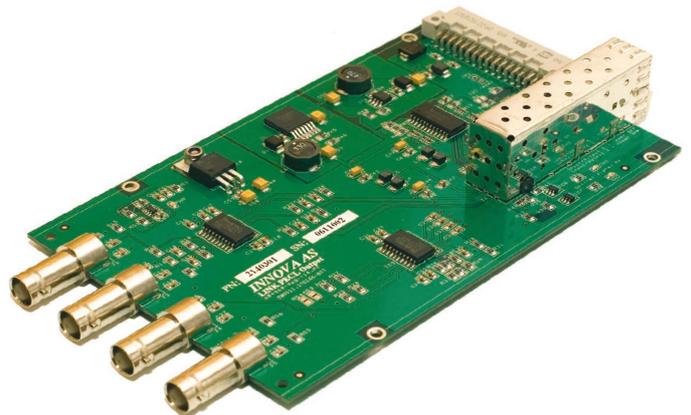
21 40 101 PECL Bidir. 2 ch. Input, Standard
21 40 301 PECL Bidir. 2 ch. Output

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.



PECL Bidir. 2 ch. input



PECL Bidir. 2 ch. Output