Hardware Installation Guide

HFBRPANEL-16

16 Fibre-Optic Output Channels

1 Overview

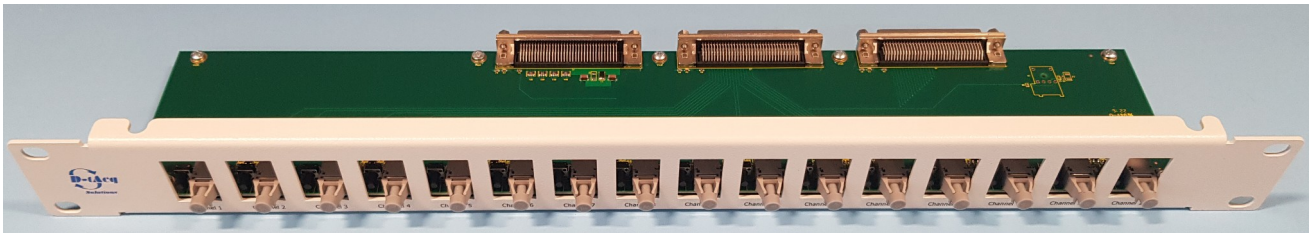
HFBRPANEL-16 is a 1U rack-mountable Optical Fibre Transmitter breakout panel for DIO482 providing 16 output channels using Broadcom HFBR-1521ETZ.

1.1 Variants and Compatibility

Variant	*Compatibility*	*Description*
HFBRPANEL-16	Opto transmitter HFBR-1521ETZ	Standard

The panel can also be configured with an alternative AFBR-1624Z transmitter, please contact D-TACQ for details

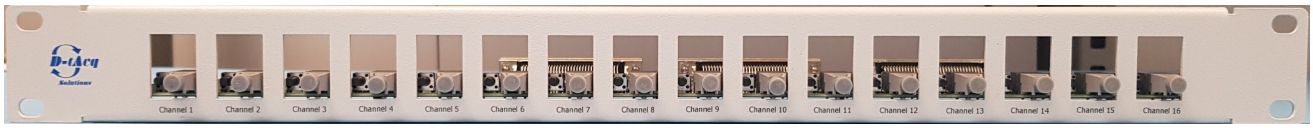
The panel is shown below



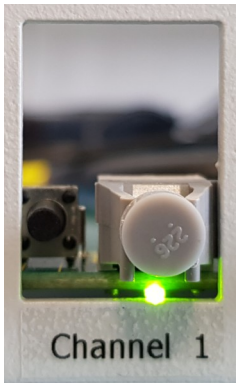
2 Front Panel Connectors

HFBRPANEL-16 has 16 Fibre Optic output connectors. These are mated with Broadcom® standard Versatile Link Optic Cables.

The view from the font of the panel is shown below

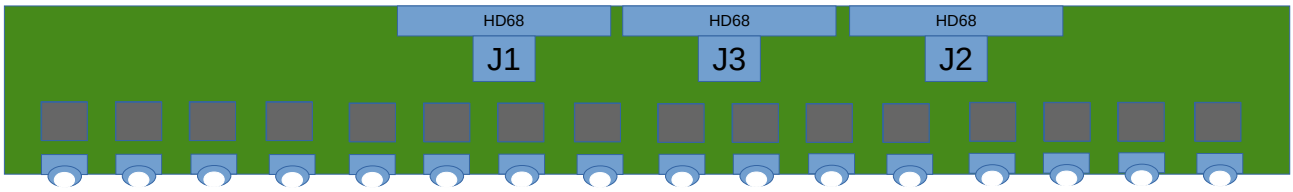


Each connector has a simple self test push button switch to allow the transmitter to be switched on at any time to verify correct transmission. Below each transmitter a green LED is provided for a visible feedback that the LED on the transmitter is on. This is shown in the photograph below.



3 Rear Connectors

The rear connectors are shown on the illustration below



Connector J1

J1 is a 68 Way SCSI connector. This is the input connector for the signals from the DIO482FMC-16

Connector J2

J2 is a 68 Way SCSI connector. This is the input connector for signals from a second HFBRPANEL-16 as part of the self test configuration, it allows the 16 channels on the second panel to be added to the local 16 channels for output to the test DIO482 connected to J3.

Connector J3

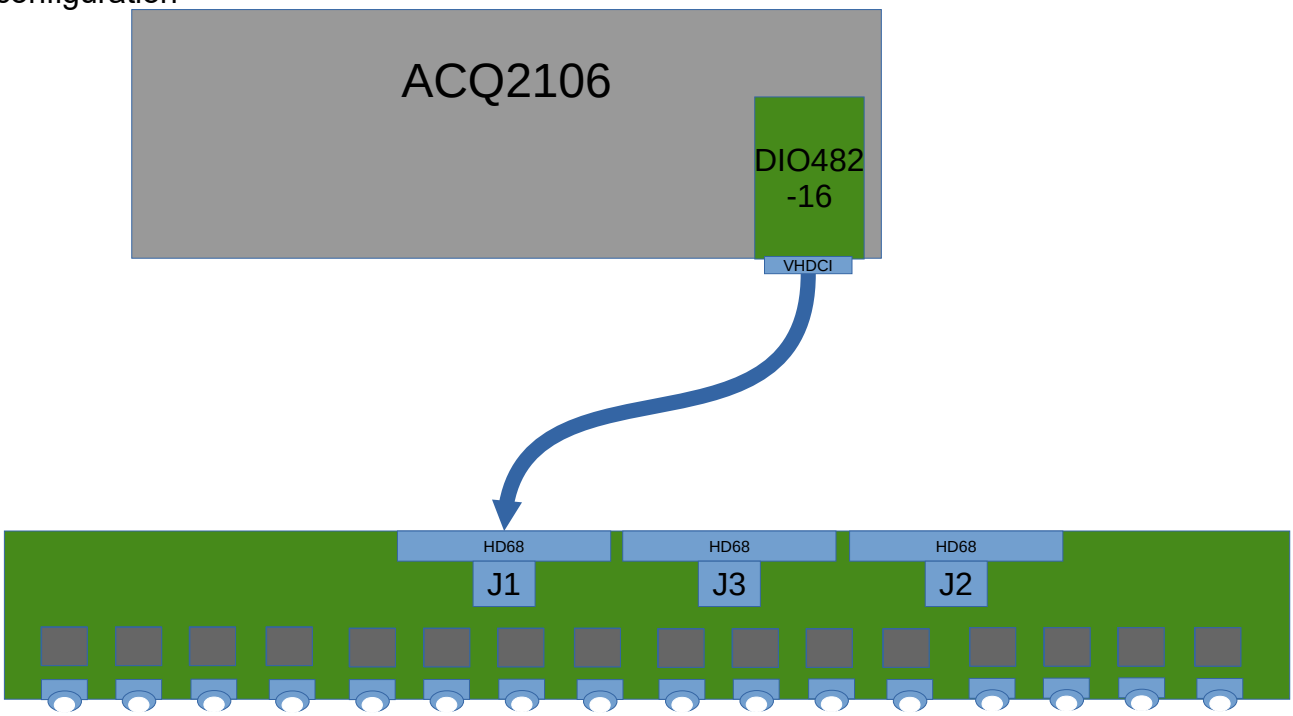
J3 is a 68 Way SCSI connector. This is the output connector when used in as loop back verification test configuration. It is connected to a 32 channel DIO482FMC(ELF) or to another HFBRPANEL-16.

See the Configurations section for cable connections.

4 Configurations

4.1 Standard Configuration

The standard configuration has the HFBRPANEL-16 connected to a DIO482FMC-16 via a 68 way VHDCI to SCSI Cable supplied by D-TACQ. The illustration below shows this configuration



4.2 Loop back verification Test Configuration

The Loop back verification test configuration allows 2 HFBRPANEL-16 Fibre Optic output signals to be monitored by a 32 channel DIO482FMC(ELF). The illustration below shows this configuration. Please contact D-TACQ for additional cables required.