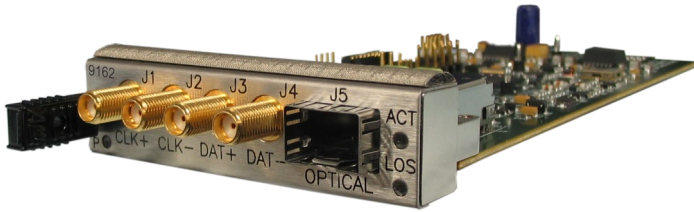


Model 9200-9162

Fiber Input to ECL Data and Clock Output



Features

- Fiber Optic Input
 - SFP module
- Two ECL level Outputs
 - Synchronous data/clock
 - SMA connectors
- Pluggable
- Hot Swappable
- 100 kbps to 150 Mbps
- 5 LED indicators
- Remote control capable
- Invert Output Polarity

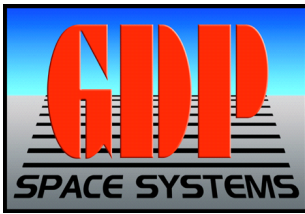
General Description

The GDP Model 9200-9162 Data Conversion and Distribution Module is one of the functional and hot-swappable modules which can be incorporated into the 9200 Series Chassis. The 9200-9162 Module can accept a single fiber optic input via an SFP fiber module and convert the signal to a pair of synchronous ECL level data and clock outputs on SMA connectors. A second module, 9200-6291 can be used to accept the synchronous ECL level data and clock signals and recreate a fiber optic output.

Figure 1 shows a functional block diagram of the Model 9200-9162.

The Model 9200 Data Conversion and Distribution System is a modular product that is scalable and user configured to convert and/or distribute a large selection of data channels to satisfy a wide variety of data signal conversion and distribution functions. The 9200 chassis has 16 single height card slots to house the large selection of 9200 series modules. The 9200 series modules provide the ability to accept and properly terminate a variety of signal types and then convert these signals to other industry standards.

The chassis provides global and daisy chain buses so that signals can be received by one module and then sent to other modules in the chassis to satisfy signal conversion and distribution requirements. This concept provides a cost effective and flexible solution to a wide range of signal conversion and distribution applications such as level conversion, signal inversion, code conversion, time code distribution, fiber optic transport, and optical isolation.



Model 9200-9162

Fiber input to ECL Data and Clock Output

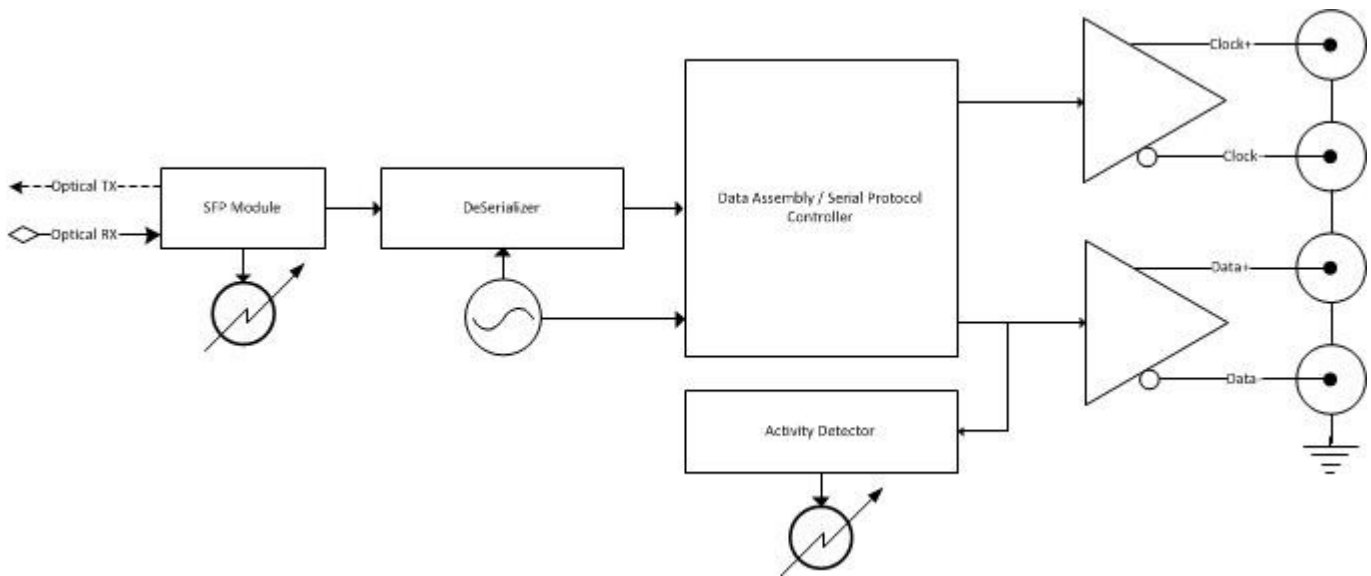


Figure 1: 9200-9162 Module Functional Drawing

SPECIFICATIONS

ELECTRICAL

- One fiber optic input
 - o SFP module
- Two ECL level outputs
 - o SMA connectors
- Operates 100 kbps to 150 Mbps
- Hot Swappable module
- 5 LED indicators
 - o ACT Green: Telemetry present
 - o LOS Red: No optical link
 - o LOS Green: Optical link is up
 - o LOS Amber: tx (local) laser is off
 - o PWR Blue: FPGA is configured

MECHANICAL

- 2.9" wide
- 0.75" high
- 7.1" deep

ENVIRONMENTAL

- Operating Temperature
 - o 0 degrees C to +55 degrees C
- Operating Relative Humidity
 - o 5% to 95% non-condensing
- Non-operating Temperature
 - o -40 degrees C to +85 degrees C
- Non-operating Relative Humidity
 - o 5% to 95% non-condensing

AJS 120521

Recognizing that no standard product can meet all the needs of all users, GDP stands ready to provide units tailored to unique applications.

The statements in this data sheet are not intended to create any warranty, expressed or implied. Equipment specifications are subject to change without notice.