

Model 9200-9122 / 9200-2291

Fiber and RS-422 Data & Clock

Features

- Fiber Optic
 - Input (9200-9122)
 - Output (9200-2291)
 - SFP module
- Data/Clock
 - RS-422 Compatible
 - 100 Ohm Input Termination
 - TRIAX connectors
- Pluggable, Hot Swappable
- 100 kbps to 50 Mbps
- Invert Output Polarity
- LED Status Indicators
- Remote Control (Option)

General Description



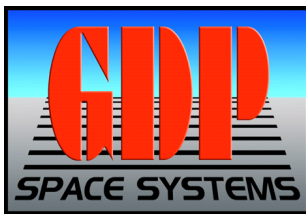
The GDP Model 9200-9122 Data Conversion and Distribution Module and its complement the Model 9200-2291 are fiber-optic / RS-422, hot-swappable modules, which can be incorporated into the 9200 Series Chassis. The 9200-9122 Module is configured with a fiber optic signal input via an optional SFP fiber module and outputs data and clock to its RS-422 interface on triaxial connectors. The 9200-2291 accepts data and clock on the triaxial RS-422 interface and transmits through the fiber interface.

Data and clock are recovered from the fiber connection on the 9200-9122 and connected to RS422 outputs on Triax connectors. The complementary module, the 9200-2291 is configured to accept synchronous RS-422 level data and clock signals and process these signals for connection to a the optical signal output via an SFP fiber module.

Figure 1 is a functional block diagram of the Model 9200-2291 and Figure 2 depicts the 9200-9122.

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.



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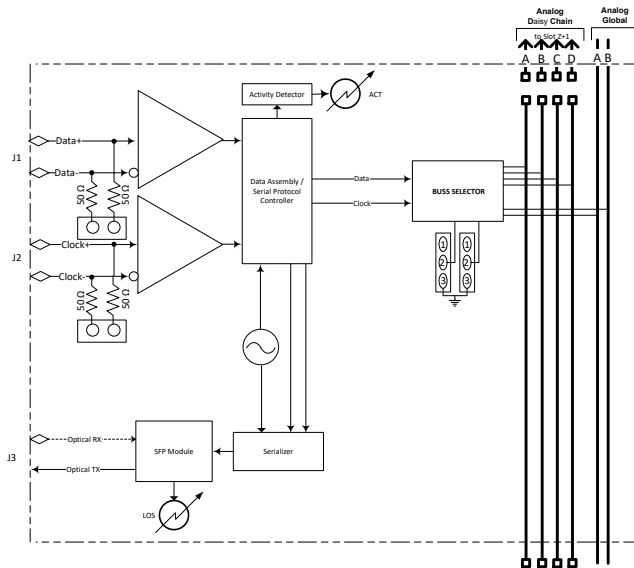


Figure 1; 9200-2291 Functional Diagram

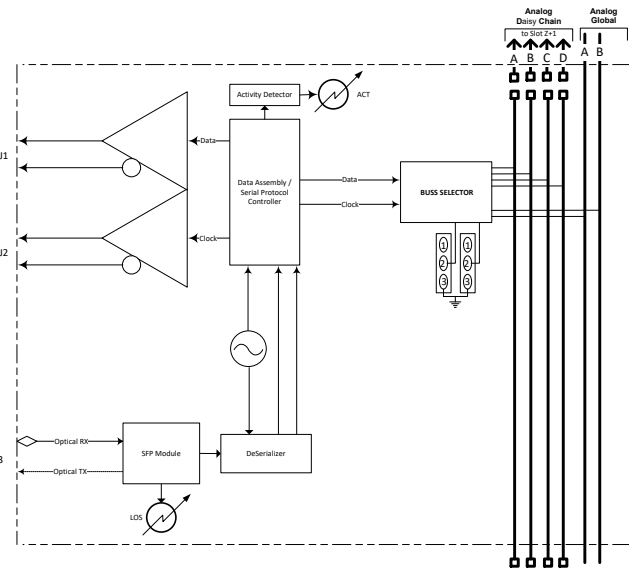


Figure 2; 9200-9122 Functional Diagram

Specifications

ELECTRICAL

- Fiber Optic
 - SFP module
- Data & Clock
 - RS422 Compatible
 - 100-Ohm Input Termination
 - TRIAX connectors
- Operates 100 kbps to 50 Mbps
- Hot Swappable module
- Three LED Indicators, ACT, LOS, P
 - ACT: Green: Telemetry present
 - LOS: Optical Link Status
 - Red: No optical link
 - Green: Optical link is up
 - Amber: Laser is off
 - P: Blue: Power Applied

MECHANICAL

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

ENVIRONMENTAL

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

* 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. Specifications are subject to change without notice.