Operation Mode: Asynchronous, half duplex
Input/Output Interface: RS-485, DB25F connector
Transmission Line Interface: Metal ST connector is standard for interfacing with fiber optic duplex cable (SMA option, SC and FC option for SM)
Transmission Distance: See Chart
Optical Power into a 62.5 Micron Core Optical Fiber: 30 microwatts, 10 dB power budget @ 820 nanometers (1300 nm Option)
Receiver Sensitivity: 3 microwatts at less than 10⁻⁹ bit error rate
Operating Temperature: -40 °C to +80 °C for Multimode
-20 °C to +60 °C for Single mode
Humidity: 0 to 90% Non Condensing
Metal Enclosure: 7.25 X 2.28 X 1.3 in (18.4 X 5.8 X 3.3 cm)
Weight: 0.9 lb. (400 grams)
Input Power: 85 V to 265 VAC or DC (+24 VDC and -48 VDC Option)
Card Version: S.I.Tech #2362 with Series 3000 Rack

FEATURES:
- Up to 115 Kbps asynchronous operation on fiber optic cable, half duplex operation
- -40 °C to +80 °C operating range**
- Metal ST connector receptacle (SMA option)
- LED indicators for power, transmit, and receive data
- Female DB25 connector
- Complies with IEEE C37.90.1
- IEC 801 Surge Protection
- Panel Mounting Brackets, two mounting locations
- Conformal coating
- See distance chart

RS - 485 CONNECTOR PINS UTILIZED BY 2562 MINI BIT - DRIVER (FEMALE)

<table>
<thead>
<tr>
<th>Pin No.</th>
<th>Description</th>
<th>Symbol</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Protective Ground</td>
<td>Chassis GND</td>
</tr>
<tr>
<td>7</td>
<td>Signal Ground</td>
<td>Sig. GND</td>
</tr>
<tr>
<td>14</td>
<td>Data +</td>
<td>D+</td>
</tr>
<tr>
<td>15</td>
<td>Data -</td>
<td>D-</td>
</tr>
</tbody>
</table>

OPERATING DISTANCE FOR FIBER OPTIC CABLE

<table>
<thead>
<tr>
<th>Fiber Size (Microns)</th>
<th>Attenuation dB/Km</th>
<th>Distance* Meters</th>
<th>Distance* Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>3.0</td>
<td>2000</td>
<td>6600</td>
</tr>
<tr>
<td>62.5</td>
<td>4.0</td>
<td>2000</td>
<td>6600</td>
</tr>
<tr>
<td>10 SM**</td>
<td>1.0</td>
<td>10000</td>
<td>33000</td>
</tr>
</tbody>
</table>

* High power option available. SM - Single mode (1300nm) option

Optical unit connection: Connect the optical transmission line to the T and R receptacles. Note which cable channel goes to T or R by noting cable imprint. On the other end, reverse the connection. ** SM - Temperature Rating: -20 °C to +60 °C

Specifications subject to change without notice.

©2007 S.I. Tech, Inc.