The XIt1013 is a 6U VME rear transition module designed specifically to match the XCalibur1931 pinout.

The XIt1013 supports up to six 10/100/1000BASE-T Ethernet ports via six RJ-45 connectors, six serial ports (2x RS-232, 4x RS-232/422/485) via six micro-DB-9 connectors, two PIM sites to route PMC I/O out the rear panel, and four Twinax connectors for MIL-STD-1553.

Due to the limited front panel space, multiple configurations of the XIt1013 are available to handle various I/O access requirements. For example, leftmost PIM site is mutually exclusive with the MIL-STD-1553 connectors. When the XIt1013 is configured for six RJ-45 and six micro-DB-9 connectors, the board utilizes a double-high front panel.
Technical Specifications

**PIM Support**
- Supports up to two PIM modules
- Full P64s on a single PIM site

**Ethernet**
- Up to six RJ-45 Gigabit Ethernet ports

**Serial**
- Two RS-232 serial ports
- Four RS-232/422/485 serial ports

**Physical Characteristics**
- 6U VME rear transition module form factor
- Dimensions: 233.35 mm x 80 mm

**Environmental Requirements**
Contact factory for appropriate board configuration based on environmental requirements.
- Supported ruggedization levels (see chart below): 1
- Conformal coating available as an ordering option

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<table>
<thead>
<tr>
<th>Ruggedization Level</th>
<th>Level 1</th>
<th>Level 3</th>
<th>Level 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Method</td>
<td>Standard Air-Cooled</td>
<td>Rugged Air-Cooled</td>
<td>Conduction-Cooled</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to +55°C ambient (300 LFM)</td>
<td>-40 to +70°C (600 LFM)</td>
<td>-40 to +85°C (board rail surface)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85°C ambient</td>
<td>-55 to +105°C ambient</td>
<td>-55 to +105°C (maximum)</td>
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<tr>
<td>Vibration</td>
<td>0.002 g²/Hz (maximum), 5 to 2000 Hz</td>
<td>0.04 g²/Hz (maximum), 5 to 2000 Hz</td>
<td>0.1 g²/Hz (maximum), 5 to 2000 Hz</td>
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<tr>
<td>Shock</td>
<td>20 g, 11 ms sawtooth</td>
<td>30 g, 11 ms sawtooth</td>
<td>40 g, 11 ms sawtooth</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% to 95% non-condensing</td>
<td>0% to 95% non-condensing</td>
<td>0% to 95% non-condensing</td>
</tr>
</tbody>
</table>