XIt4000

COM Express® I/O Module with Gigabit Ethernet and Local Bus

- COM Express I/O module
- Two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors
- Four 1000BASE-X Ethernet to 1000BASE-T Ethernet ports to RJ-45 connectors
- Enhanced Local Bus header for development

The XIt4000 is a COM Express I/O module, which is intended to support the Type 5FS and Type 10FS X-ES implementations of the COM Express standard. The XIt4000 is used to break out the non-standard additional Ethernet ports for Type 5FS and Type 10FS to RJ-45 connectors.

Extreme Engineering Solutions
3225 Deming Way, Suite 120 • Middleton, WI 53562
Phone: 608.833.1155 • Fax: 608.827.6171
sales@xes-inc.com • http://www.xes-inc.com

...Always Fast
Ethernet
- Two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors
- Four 1000BASE-X Ethernet to analog 1000BASE-T Ethernet breakout ports to RJ-45 connectors

Local Bus
- Header to accommodate Local Bus development
- 128 MB NOR flash

Physical Characteristics
- COM Express I/O module
- Dimensions: 74 mm x 69 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

---

<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 ambient</td>
</tr>
<tr>
<td>Vibration</td>
<td>0.002 g²/Hz, 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>
</tr>
<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>