XIt4104

6U CompactPCI I/O Transition Module for X-ES SBCs

- 6U transition module
- One dual-link DVI connector
- Two PICMG 2.16 10/100/1000BASE-T Ethernet ports for module I/O
- Sixteen 10/100/1000BASE-T Ethernet ports from mezzanine I/O
- One USB 2.0 type A connector and one internal type A connector
- One eSATA connector and one internal SATA connector
- Two micro-DB-9 connectors for two RS-232/422/485 ports
- GPIO header

XIt4104

The XIt4104 provides an expansive array of I/O connectors for X-ES's XCalibur4101 6U cPCI SBC module hosting dual 8-port Ethernet switch mezzanines. The XIt4014 shown above supports rear-panel connectors for two SBC Ethernet ports and 16 Ethernet ports from two mezzanines, one USB port, one DVI port, one eSATA port, and two RS-232/422/485 serial ports. Additional board connectors are provided for a second USB port and a second SATA port.

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**Technical Specifications**

**XIt4104**

**DVI Graphics**
- One external dual-link DVI-D connector

**SATA**
- One external eSATA connector
- One internal SATA connector

**Ethernet**
- Two RJ-45 Gigabit Ethernet connectors for module I/O
- Sixteen RJ-45 Gigabit Ethernet connectors for mezzanine I/O

**USB**
- One external USB type A connector
- One internal USB type A connector

**Serial**
- Two external micro-DB-9 serial connectors

**Physical Characteristics**
- 6U cPCI 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

<table>
<thead>
<tr>
<th>Supported Ruggedization Level</th>
<th>Level 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling Method</td>
<td>Standard Air-Cooled</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 to +55 °C ambient (300 LFM)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>0 to +85 °C ambient</td>
</tr>
<tr>
<td>Vibration</td>
<td>0.002 g²/Hz, 5 to 2000 Hz</td>
</tr>
<tr>
<td>Shock</td>
<td>20 g, 11 ms sawtooth</td>
</tr>
<tr>
<td>Humidity</td>
<td>0% to 95% non-condensing</td>
</tr>
</tbody>
</table>

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