The XIt1009 is a 6U CompactPCI transition module which supports a variety of cPCI single board computers.

The XIt1009 supports an HDMI port for graphics, as well as two PICMG 2.16 10/100/1000BASE-T Ethernet ports, two RS-232 Serial ports, four SATA ports, and three USB ports. Internal connectors allow access to two additional USB ports, two serial ports, and GPIO.

The XIt1009 supports a PIM interface to bring P14 I/O from a PMC module out the rear panel. The PIM interface can be configured for either mezzanine site on the single board computer and can support all standard X-ES I/O modules.
Technical Specifications

Supported Ruggedization Level

<table>
<thead>
<tr>
<th>Level 1</th>
<th>Supported Ruggedization Level</th>
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</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>-40 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>

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

PIM Support

- Supports standard PIM modules
- Option to have PIM connected to J3 or J5 PMC I/O

Graphics

- One external HDMI port
- Actively converts dual-mode DisplayPort to HDMI
- Option to pass DVI/HDMI straight through to HDMI connector

SATA

- One SAS connector supporting four SATA ports via breakout cable

Ethernet

- Two RJ-45 Gigabit Ethernet ports

USB

- Three external USB 2.0 ports
- Two internal USB 2.0 ports

Serial

- Two internal RS-232/RS-422/RS-485 serial ports
- Two rear-panel RS-232 serial ports through single micro DB-9 connector

Physical Characteristics

- 6U cPCI transition module form factor
- Dimensions: 233.35 mm x 80 mm

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