The XIt1011 is a 6U VME rear transition module which supports a variety of VME single board computers. The XIt1011 supports an HDMI port for graphics, as well as three 10/100/1000BASE-T Ethernet ports, two RS-232 serial ports, one SATA port, and two USB ports. Internal connectors allow access to three additional USB ports, two serial ports, and GPIO.

The XIt1011 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

**PIM Support**
- Supports standard PIM modules
- Option to have PIM connected to P0 or P2 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 eSATA port

**Ethernet**
- Three RJ-45 Gigabit Ethernet ports

**USB**
- Two USB 2.0 ports
- Three internal USB 2.0 ports

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

### 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

<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 (maximum)</td>
<td>-55 to +105°C ambient</td>
<td>-55 to +105°C (maximum)</td>
</tr>
<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>
</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>