XIt4103

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

- 6U transition module
- One dual-link DVI port
- Two PICMG 2.16 10/100/1000 Ethernet ports
- Supports one PIM (PMC I/O Module) interface to route PMC I/O out the rear panel
- Optional second PIM site
- Two USB 2.0 ports
- One eSATA port or two RS-232 serial ports through one micro DB-9 connector
- One optional audio out port
- One optional audio in port
- One optional internal SATA port
- Two internal USB ports
- Two internal serial ports
- GPIO header in board

The XIt4103 supports a dual-link DVI port for graphics, as well as two PICMG 2.16 10/100/1000 Ethernet ports, one eSATA port, one pair of audio in and out ports, and two USB ports. Internal connectors allow access to two additional USB ports, a SATA port, and two serial ports.

The XIt4103 is a 6U CompactPCI transition module which supports a variety of cPCI single board computers.

The XIt4103 supports a PIM interface to bring P14 I/O from a PMC module out the rear panel. The PIM interface can support all standard X-ES I/O modules, including the XIt2000, XIt2010, XIt2020, and XIt2030. Optionally, a second PIM interface can be included. This option requires removal of the audio in port, DVI port, and both the eSATA and serial ports.

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PIM Support
- Supports standard PIM modules, including the XIt2000, XIt2010, XIt2020, and XIt2030
- Optional support for second PIM

DVI Graphics
- One optional external dual-link DVI-D port

SATA
- One optional external eSATA port
- One optional internal SATA port

Ethernet
- Two RJ-45 Gigabit Ethernet ports

USB
- Two external USB ports
- Two internal USB ports

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

Audio
- One optional external audio in port
- One optional external audio out port
- Optional TI PCM2902 audio CODEC

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>
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<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>
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<tr>
<td>Humidity</td>
<td>0% to 95% non-condensing</td>
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