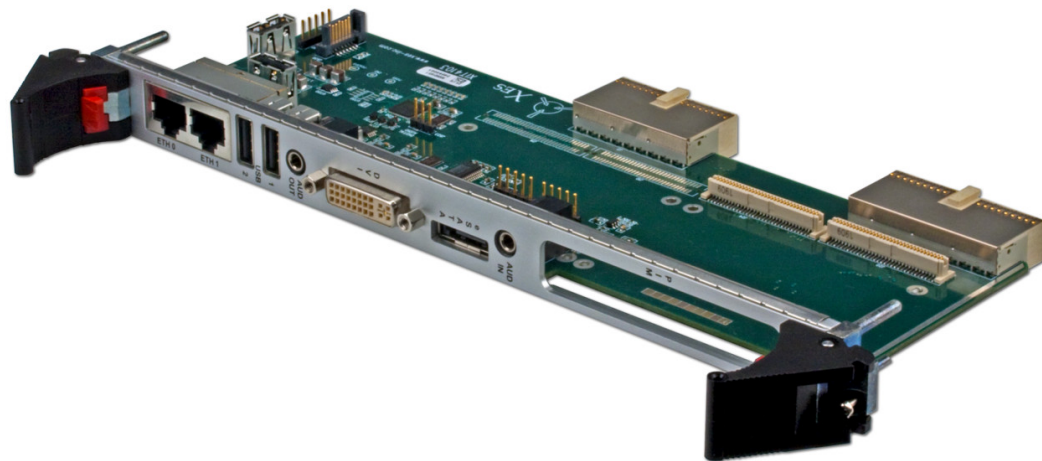


# XIt4103

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

- ▶ 6U cPCI transition module
- ▶ One dual-link DVI jack
- ▶ 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
- ▶ Second PIM site (optional)
- ▶ Two USB 2.0 ports
- ▶ One eSATA jack or two RS-232 serial ports sharing one micro-DB-9 jack
- ▶ One audio out port (optional)
- ▶ One audio in port (optional)
- ▶ One internal SATA port (optional)
- ▶ Two internal USB ports
- ▶ Two internal serial ports
- ▶ GPIO header in board



## XIt4103

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

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 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.

# X-ES

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### Extreme Engineering Solutions

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**PIM Support**

- Supports standard PIM modules, including the XIt2000, XIt2010, XIt2020, and XIt2030
- Support for second PIM (optional)

**DVI Graphics**

- One external dual-link DVI-D port (optional)

**SATA**

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

**Ethernet**

- Two RJ-45 Gigabit Ethernet ports

**USB**

- Two external USB ports
- Two internal USB ports

**Serial**

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

**Audio (Optional)**

- One external audio in port
- One external audio out port
- 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

Ruggedization Level	Level 1	Level 3	Level 5
Cooling Method	Standard Air-Cooled	Rugged Air-Cooled	Conduction-Cooled
Operating Temperature	0 to +55°C ambient (300 LFM)	-40 to +70°C (600 LFM)	-40 to +85°C (board rail surface)
Storage Temperature	-40 to +85°C ambient	-55 to +105°C ambient	-55 to +105°C (maximum)
Vibration	0.002 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz	0.04 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz	0.1 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz
Shock	20 g, 11 ms sawtooth	30 g, 11 ms sawtooth	40 g, 11 ms sawtooth
Humidity	0% to 95% non-condensing	0% to 95% non-condensing	0% to 95% non-condensing

