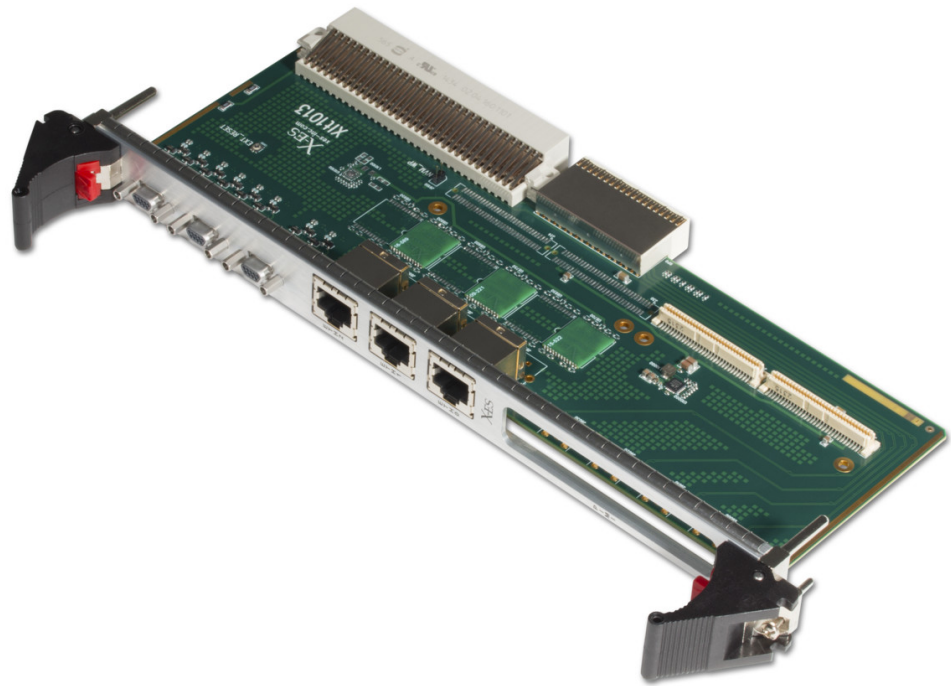


# XIt1013

6U VME Rear Transition Module with Gigabit Ethernet, Serial, and Four MIL-STD-1553 Twinax Connectors

- ▶ 6U VME Rear Transition Module (RTM)
- ▶ Up to six 10/100/1000BASE-T Ethernet ports
- ▶ Up to six serial ports via six micro-DB-9 connectors
- ▶ Up to two PIM sites (optional)
- ▶ Four MIL-STD-1553 Twinax connectors (optional)



## XIt1013

The XIt1013 is a 6U VME rear transition module designed specifically to match the XCalibur1931 pinout.

The XIt1013 supports up to six 10/100/1000BASE-T Ethernet ports via six RJ-45 connectors, six serial ports (2x RS-232, 4x RS-232/422/485) via six micro-DB-9 connectors, two PIM sites to route PMC I/O out the rear panel, and four Twinax connectors for MIL-STD-1553.

Due to the limited front panel space, multiple configurations of the XIt1013 are available to handle various I/O access requirements. For example, leftmost PIM site is mutually exclusive with the MIL-STD-1553 connectors. When the XIt1013 is configured for six RJ-45 and six micro-DB-9 connectors, the board utilizes a double-high front panel.

# X-ES

Extreme Engineering Solutions

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### Extreme Engineering Solutions

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**PIM Support**

- Supports up to two PIM modules
- Full P64s on a single PIM site

**Ethernet**

- Up to six RJ-45 Gigabit Ethernet ports

**Serial**

- Two RS-232 serial ports
- Four RS-232/422/485 serial ports

**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

<b>Ruggedization Level</b>	<b>Level 1</b>
<b>Cooling Method</b>	Standard Air-Cooled
<b>Operating Temperature</b>	0 to +55°C ambient †
<b>Storage Temperature</b>	-40 to +85°C ambient
<b>Vibration</b>	0.002 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz
<b>Shock</b>	20 g, 11 ms sawtooth
<b>Humidity</b>	Up to 95% non-condensing

† Contact factory for airflow rate details.

