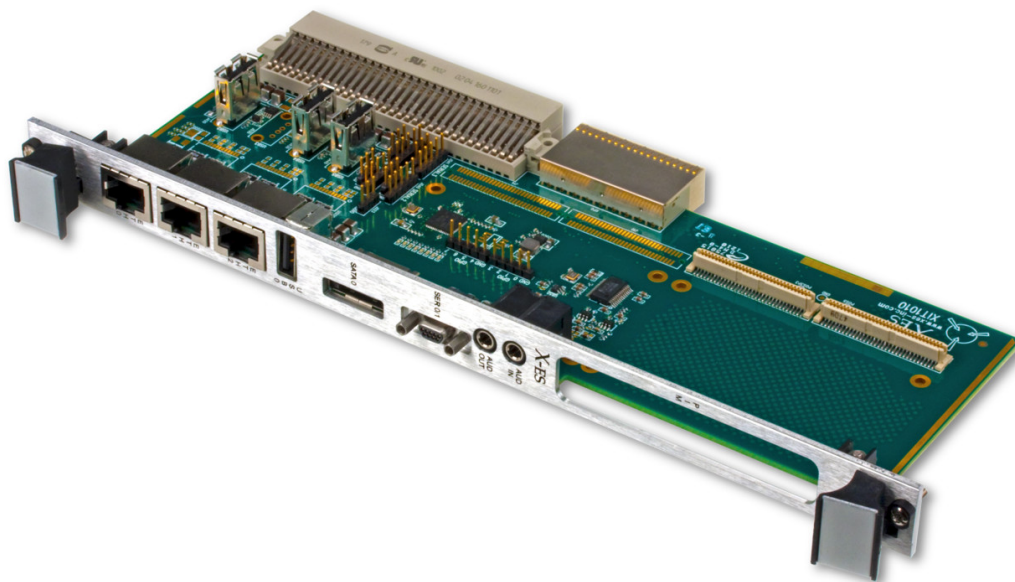


# XIt1010

6U VME Rear Transition Module with Gigabit Ethernet, SATA, USB, and Serial

- › VME Rear Transition Module (RTM)
- › Three 10/100/1000BASE-T Ethernet ports
- › Two RS-232 serial ports
- › Integrated USB hub
- › Four external USB ports
- › One eSATA port
- › USB audio codec with I/O ports
- › PIM site



## XIt1010

The XIt1010 is a 6U VME Rear Transition Module (RTM) which supports various X-ES Single Board Computer (SBC) products. When installed in an RTM slot of an appropriate VME64 backplane, the XIt1010 routes I/O signals from an associated SBC's rear panel P0 and P2 connectors to connectors on the XIt1010, to allow connection of these signals to external equipment.

The XIt1010 routes three 10/100/1000BASE-T Ethernet ports to RJ-45 connectors, two RS-232 ports to a micro-DB-9 connector, four USB ports to Type A connectors (three via onboard USB hub), and a SATA port to an eSATA connector. A PIM site is also provided for access to P14 rear I/O from a mezzanine installed on the corresponding SBC.

The XIt1010 also features an optional onboard USB audio codec, with its audio inputs and outputs routed to 3.5 mm stereo jacks accessible from the front panel.

# X-ES

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### Extreme Engineering Solutions

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**Ethernet**

- Three 10/100/1000BASE-T Ethernet ports to RJ-45 connectors

**Serial**

- Two RS-232 ports to micro-DB-9 connectors

**SATA**

- One SATA port to front panel eSATA connector

**USB**

- One USB port to front panel Type A connector on front panel
- One USB port to internal USB hub
- Three USB ports from USB hub to internal vertical Type A connectors
- One USB port from hub routed to internal vertical Type A connector or optional onboard audio codec

**Audio**

- USB audio codec
- Audio input and output ports to front panel 3.5 mm stereo jacks

**Physical Characteristics**

- VME Rear Transition Module (RTM)
- 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

