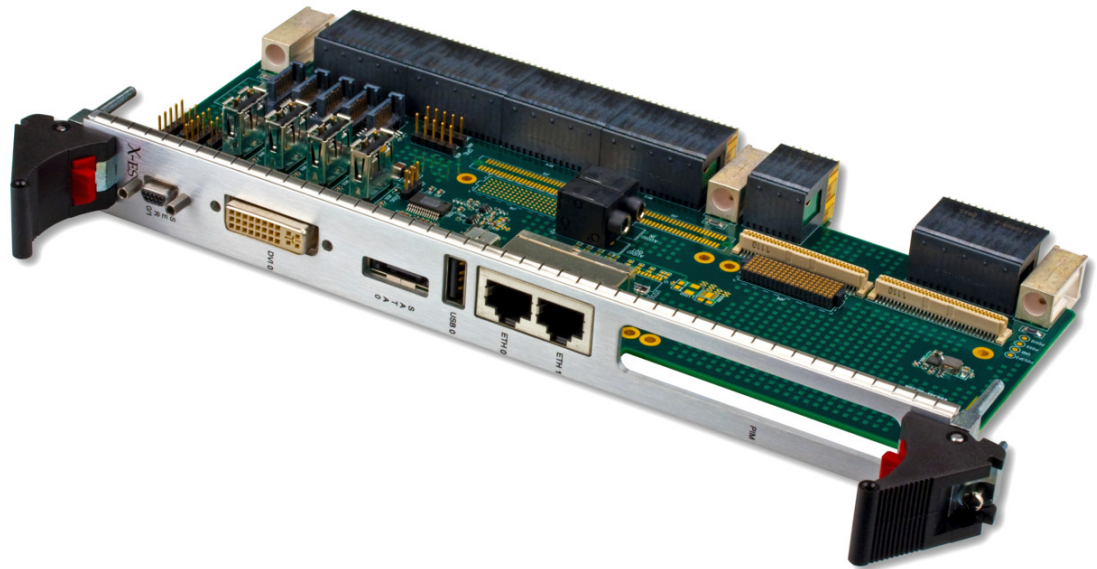


XIt1040

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

- ▶ 6U VPX Rear Transition Module (RTM), VITA 46.10
- ▶ Two 10/100/1000BASE-T Ethernet ports
- ▶ Two RS-232 serial ports
- ▶ Five USB ports
- ▶ Six SATA ports
- ▶ USB audio codec with in/out ports
- ▶ XIM/PIM site
- ▶ Dual link DVI-D port



XIt1040

The XIt1040 is a 6U VPX Rear Transition Module (RTM) per the VITA 46.10 specification, which supports I/O breakout from various X-ES single board computer (SBC) products. When installed in an RTM slot of an appropriate 6U VPX backplane, the XIt1040 routes I/O signals from an associated SBC's rear panel P2-P6 connectors through the VPX backplane to connectors on the XIt1040 to allow connection of these signals to external equipment.

The XIt1040 routes two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors, two RS-232 ports to a micro-DB-9 connector, five USB ports to USB Type A connectors, and six SATA ports to eSATA and standard SATA connectors. A XIM/PIM site is also provided for breakout of a mezzanine installed on the corresponding SBC's P14/P16 I/O to the XIt1040's front panel via the appropriate XIM/PIM.

The XIt1040 also features an optional onboard USB audio codec, with its audio inputs and outputs routed to 3.5 mm stereo jacks accessible internal to the card.

X-ES

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Ethernet

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

Serial

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

USB

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

SATA

- One SATA port to front panel eSATA connector
- Five SATA ports to internal vertical SATA connectors

DVI

- One dual-link DVI-D port to DVI connector

Audio

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

Physical Characteristics

- VPX Rear Transition Module (RTM), VITA 46.10
- 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 ² /Hz (maximum), 5 to 2000 Hz	0.04 g ² /Hz (maximum), 5 to 2000 Hz	0.1 g ² /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

