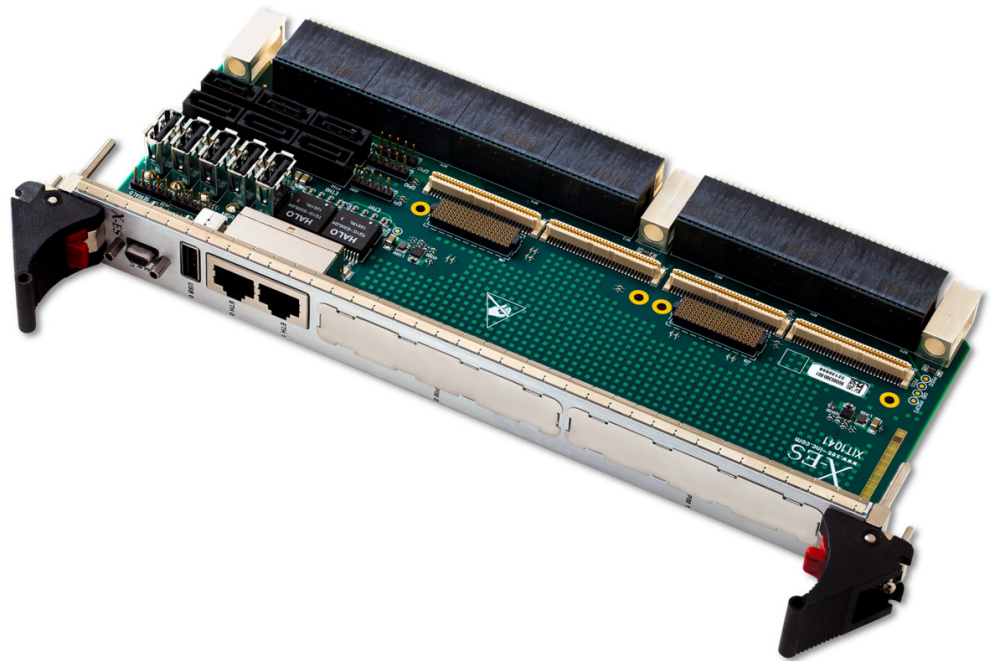


XIt1041

6U VPX Rear Transition Module with Gigabit Ethernet, SATA, USB, Serial, and XIM/PIM sites

- ▶ 6U VPX Rear Transition Module (RTM)
- ▶ VITA 46.10
- ▶ Two 10/100/1000BASE-T Ethernet ports
- ▶ Two RS-232 serial ports
- ▶ Six USB ports
- ▶ Six SATA ports
- ▶ Two XIM/PIM sites



XIt1041

The XIt1041 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 XIt1041 routes I/O signals from an associated SBC's rear panel P2-P6 connectors through the VPX backplane to connectors on the XIt1041 to allow connection of these signals to external equipment.

The XIt1041 routes two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors, two RS-232 ports to a micro-DB-9 connector, six USB ports to type USB A connectors, and six SATA ports to standard SATA connectors. Two XIM/PIM sites are also provided for breakout of mezzanines installed on the corresponding SBC's P14/P16 or P24/P26 connectors to the XIt1041's front panel via the appropriate XIM/PIM.

X-ES

Extreme Engineering Solutions

...Always Fast

Extreme Engineering Solutions

9901 Silicon Prairie Parkway • Verona, WI 53593
 Phone: 608.833.1155 • Fax: 608.827.6171
 sales@xes-inc.com • <https://www.xes-inc.com>

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 type A connector on front panel
- Five USB ports to internal vertical type A connectors

SATA

- Six SATA ports to internal vertical SATA connectors

XIM/PIM

- Connectivity per VITA 65 P3w1P4-P64s+X12d+X8d and P5w1P6-P64s+X12d+X8d.

Physical Characteristics

- VPX Rear Transition Module (RTM), VITA 46.10
- 1.0 in. pitch
- 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

