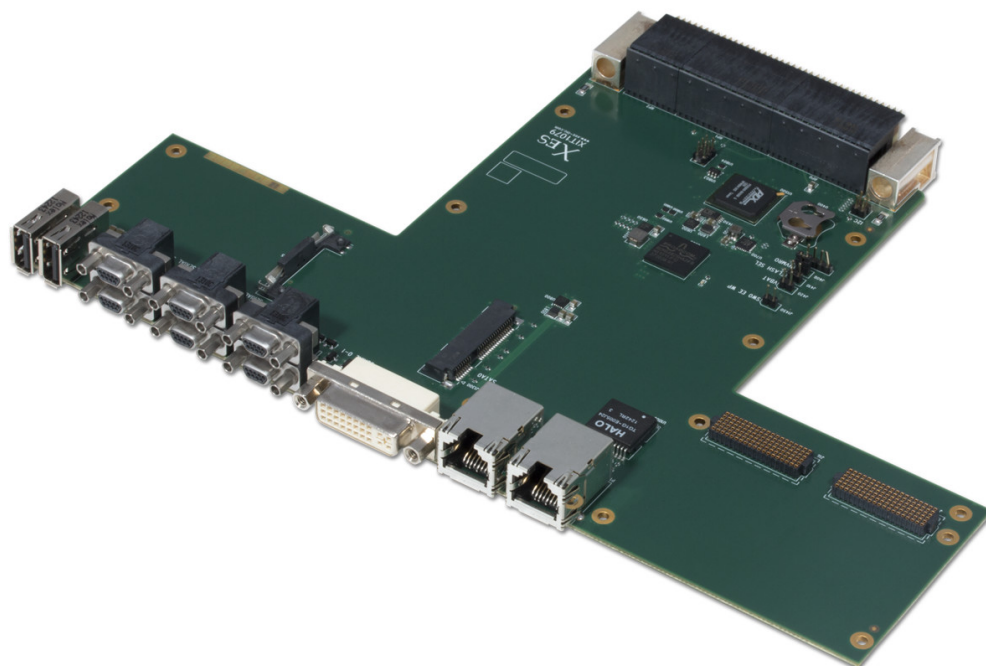


XIt1079

3U VPX Transition Module for the XPedite7477 Single Board Computer

- ▶ 3U VPX Rear Transition Module (VITA 46.10)
- ▶ Support for X-ES' XPedite7477
- ▶ One standard DVI-D connector
- ▶ Two mSATA sites
- ▶ Six micro-DB-9 connectors for serial
- ▶ Two USB 2.0 ports
- ▶ Two RJ-45 connectors for 10/100/1000BASE-T ports
- ▶ XIM I/O module support for XMC X12d I/O
- ▶ 1.0 in. pitch



XIt1079

The XIt1079 provides development I/O access for the XPedite7477 and other 3U VPX SBCs. The XIt1079 supports six RS-232/422/485 serial ports, one DVI-D port, two mSATA sites, two 10/100/1000BASE-T ports, and two USB 2.0 ports.

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>

Back Panel I/O

- One DVI-D connector
- Two RJ-45 connectors for 10/100/1000BASE-T ports
- Six micro-DB-9 for serial access
- Two USB 2.0 ports
- Two mSATA sites
- XIM site for X12d XMC I/O

Physical Characteristics

- T-shaped Rear Transition Module (RTM)
- Modified 3U VPX RTM (VITA 46.10) form factor
- Overall dimensions: 253.5 mm (W) x 158 mm (L)
- "T" base dimensions: 100 mm (W) x 95.5 mm (L)
- "T" top dimensions: 243.5 mm (W) x 62.5 mm (L)
- 1.0 in. pitch

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

