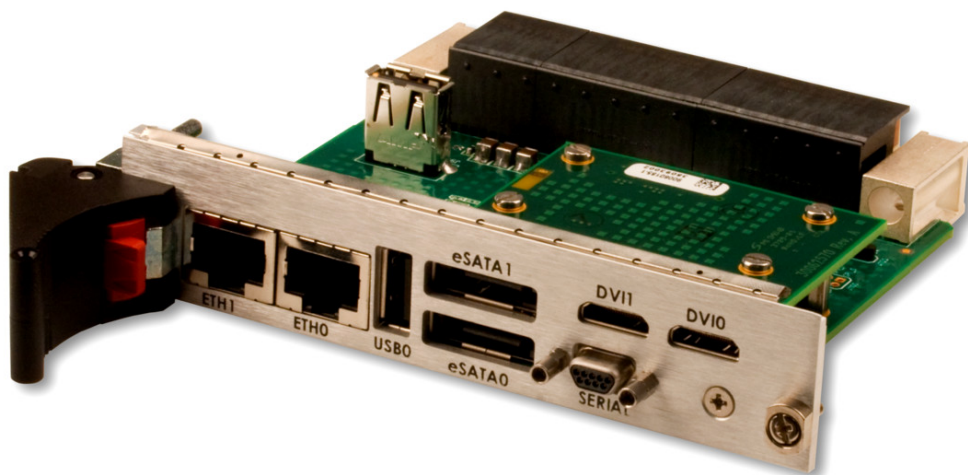


# XIt1070

3U VPX Rear Transition Module with Gigabit Ethernet, SATA, USB, Serial, and DVI

- ▶ 3U VPX Rear Transition Module (VITA 46.10)
- ▶ Support for X-ES' 3U VPX SBC module I/O
- ▶ Two Mini-HDMI connectors for dual DVI ports (optional)
- ▶ Up to two eSATA connectors for dual SATA ports
- ▶ One micro-DB-9 connector for dual serial ports
- ▶ One USB connector
- ▶ Two RJ-45 connectors for dual 10/100/1000BASE-T ports
- ▶ 1.0 in. pitch



## XIt1070

The XIt1070 provides I/O expansion for 3U VPX SBCs. The XIt1070 supports one RS-232/422/485 port, one RS-232 port, a SATA port, two 10/100/1000BASE-T ports, and a USB port in its default configuration. When mated with the optional XIt1071, an additional SATA port and two Mini-HDMI (DVI) ports are also provided.

# 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 (Standard)**

- Two RJ-45 connectors for dual 10/100/1000BASE-T ports
- One micro-DB-9 for dual serial ports
- One USB connector
- One eSATA connector

**Alternate VPX Ethernet Configurations**

- Two 10/100/1000BASE-T ports (one on RP1 and one on RP2)
- Two 1000BASE-BX ports (both on RP1)

**Back Panel I/O (With Optional XIt1071)**

- Additional eSATA connector
- Two Mini-HDMI connectors for dual DVI ports

**Physical Characteristics**

- 3U VPX form factor
- Mechanically compliant to VITA 46.10
- Dimensions: 100 mm x 81.5 mm
- 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 <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

