

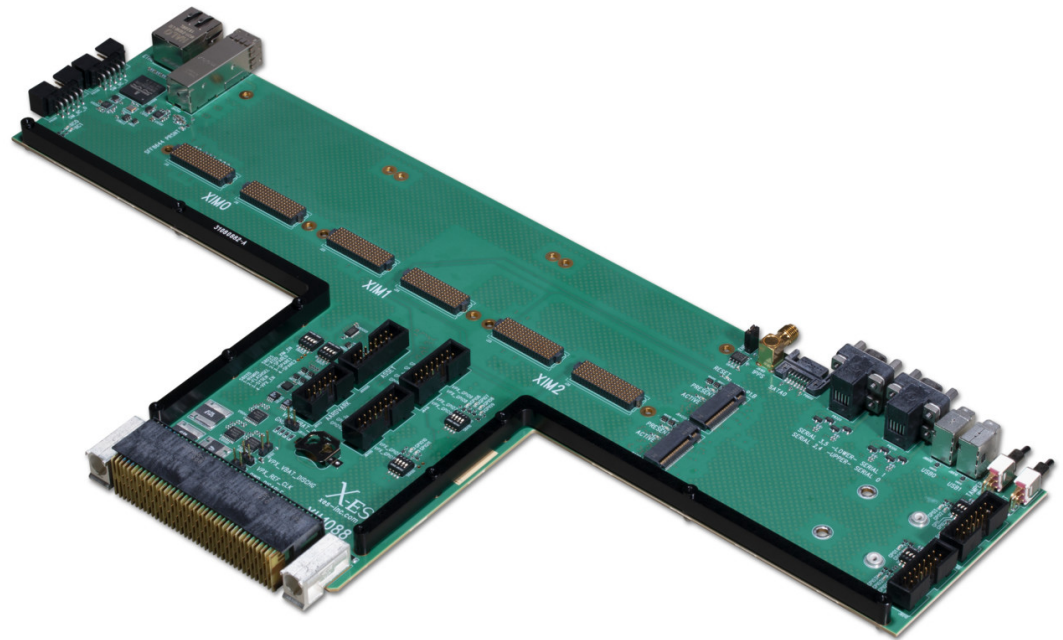
# XIt1088

**End of Life**

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

Please contact X-ES Sales

- ▶ 3U VPX Rear Transition Module
- ▶ One SATA connector
- ▶ Four micro-DB-9 connectors for dual RS-232/422/485 serial ports
- ▶ Two USB 2.0 connectors
- ▶ One RJ-45 connector to support a 10/100/1000BASE-T Ethernet port
- ▶ One XIM site to support two 10GBASE-T Ethernet ports
- ▶ One XIM site to support X12d breakout
- ▶ Two M.2 connectors for P1.A and P1.B
- ▶ One mini-SAS connector to support four High-Speed Serial ports
- ▶ Headers and toggle switches for GPIO, interrupt, and reset inputs
- ▶ Fits in VITA 46.10 RTM slots
- ▶ 1.0 in. pitch
- ▶ Battery holder to power VBAT



## XIt1088

The XIt1088 provides I/O expansion for the XPedite7674 Intel® Xeon® D 3U VPX Single Board Computer (SBC). Its T-shaped design fits in VITA 46.10 RTM slots and allows for convenient access to more I/O connectors than standard VITA 46.10 RTMs. Its flexible design allows for easy development with many X-ES 3U VPX products.

The XIt1088 supports up to four RS-422/485 ports or six RS-232 ports, one SATA port, one 10/100/1000BASE-T port, two USB 2.0 ports, four High-Speed Serial ports, 1 PPS input, and access to interrupt inputs.

One XIM site allows support for up to two 10GBASE-T Ethernet ports. One additional XIM site allows for access to the X12d signals from P1.

# X-ES

Extreme Engineering Solutions

*“Fast, Flexible, Customer-Focused  
Embedded Solutions”*

### 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**

Third XIM site is for factory use only

- One RJ-45 connector for 10/100/1000BASE-T Ethernet port
- Four micro-DB-9 connectors for dual RS-232/422/485 serial ports
- Two USB 2.0 connectors
- One SATA connector
- 1PPS input SMA connector
- Four High-Speed Serial ports via mini-SAS connector
- One XIM site to support X12d breakout
- One XIM site to support two 10GBASE-T Ethernet ports
- Two M.2 connectors for P1.A and P1.B

**Internal I/O**

- Battery holder
- GPIO header
- I<sup>2</sup>C header

**Physical Characteristics**

- 3U VPX RTM form factor
- Fits in VITA 46.10 RTM slots
- Overall dimensions: 388 mm x 179 mm. Please contact factory for exact T-shape dimensions by side.
- 1.0 in. pitch

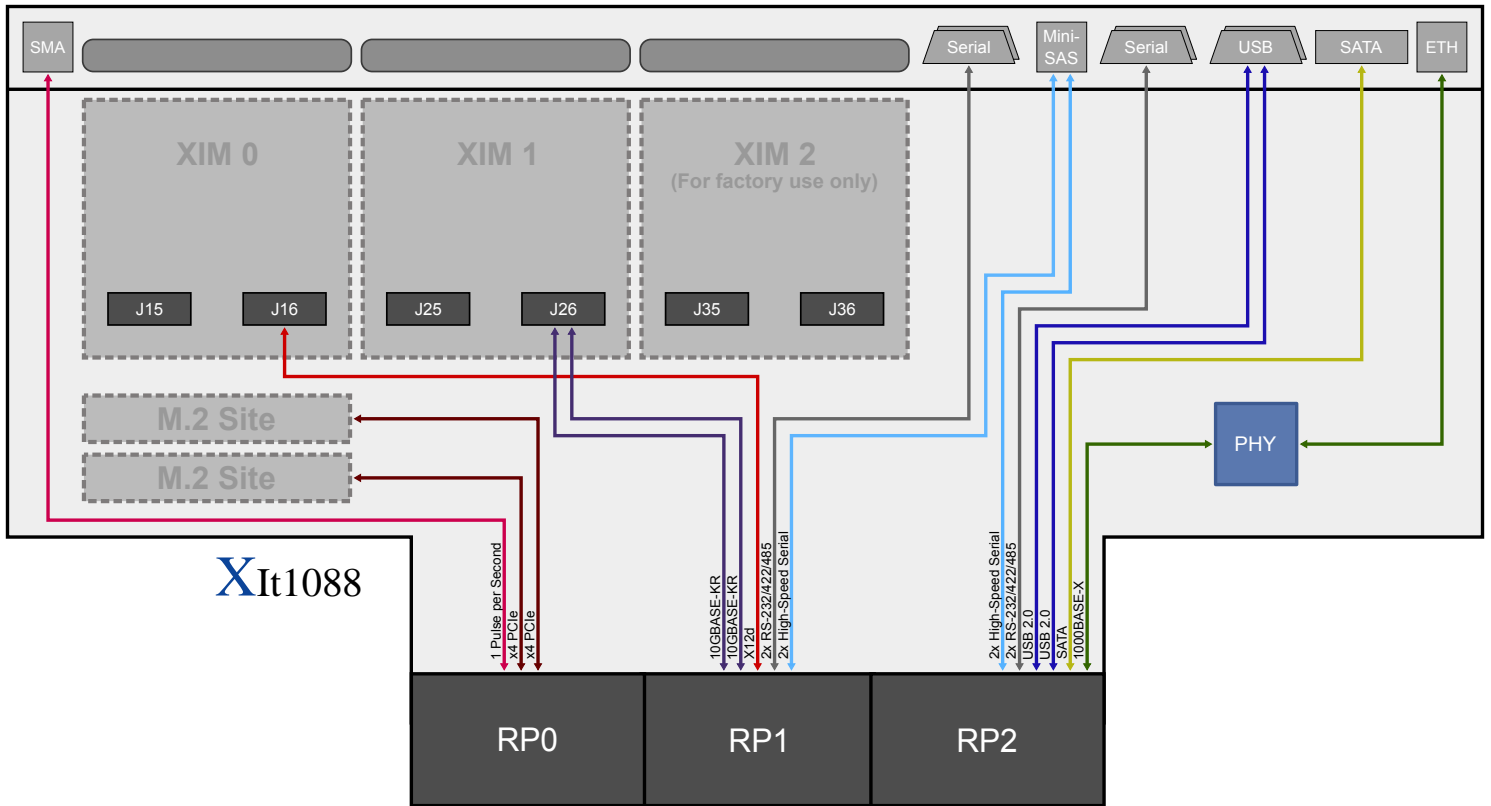
**Environmental Requirements**

Contact factory for appropriate board configuration based on environmental requirements.

- Supported ruggedization levels (see chart below): 1
- Conformal coating available as an ordering option

<b>Ruggedization Level</b>	<b>Level 1</b>
<b>Cooling Method</b>	Standard Air-Cooled
<b>Operating Temperature</b>	0 to +55°C ambient †
<b>Storage Temperature</b>	-40 to +85°C ambient
<b>Vibration</b>	0.002 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz
<b>Shock</b>	20 g, 11 ms sawtooth
<b>Humidity</b>	Up to 95% non-condensing

† Contact factory for airflow rate details.



XIt1088