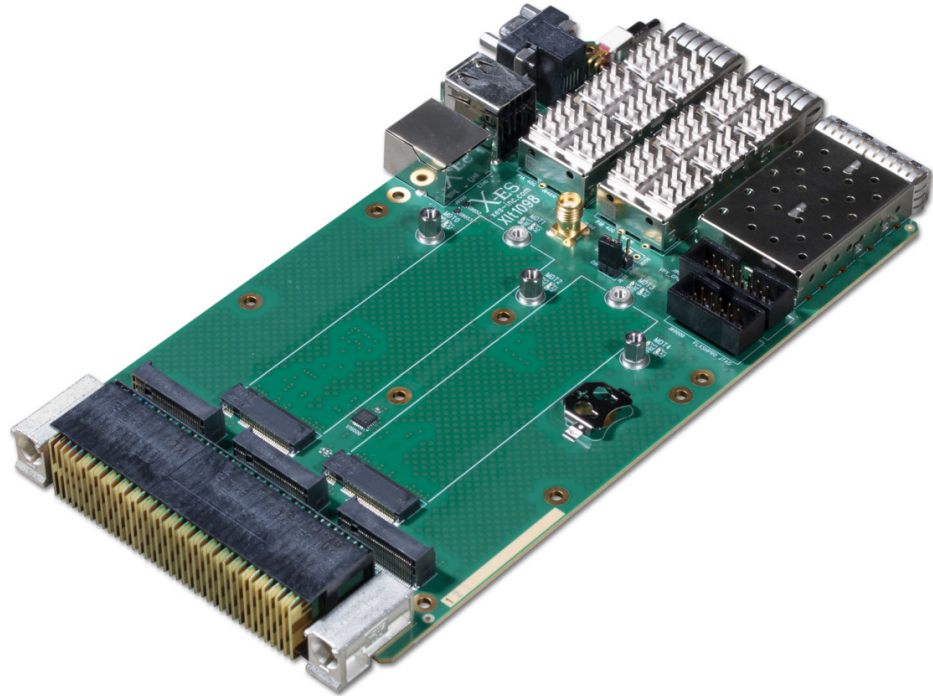


XIt1098

3U VPX Rear Transition Module with Dual 40 Gigabit and 10 Gigabit Ethernet, USB, and Serial

- ▶ 3U VPX Rear Transition Module
- ▶ Two SFP+ connectors for two 10GBASE-R Ethernet ports
- ▶ Two QSFP+ connectors for two 40GBASE-R Ethernet ports or eight 10GBASE-R Ethernet ports
- ▶ Two USB 2.0 ports
- ▶ Two micro-DB-9 connectors for two RS-232/422/485 serial ports
- ▶ One RJ-45 connector for one 10/100/1000BASE-T Ethernet port
- ▶ Three M.2 sites to support three x4 PCI Express interfaces
- ▶ Two M.2 sites to support two x2 PCI Express interfaces
- ▶ Headers and toggle switches for GPIO, interrupt, and reset inputs
- ▶ Fits in VITA 46.10 RTM slots
- ▶ 1.0 in. pitch



XIt1098

The XIt1098 provides I/O expansion for Intel® Xeon® D-2700 series (formerly Ice Lake-D) processor-based 3U VPX single board computers (SBCs). Its elongated design fits in VITA 46.10 RTM slots and allows for convenient access to more I/O connectors than standard VITA 46.10 RTMs.

The XIt1098 features two SFP+ connectors for two 10GBASE-R Ethernet ports, plus two QSFP+ connectors that can each be configured for either two 40GBASE-R Ethernet ports or eight 10GBASE-R Ethernet ports. An RJ-45 connector supports one 10/100/1000BASE-T Ethernet port. The XIt1098 also supports two RS-232/422/485 serial ports and two USB 2.0 ports.

Multiple M.2 sites can support up to three x4 PCI Express interfaces and two x2 PCI Express interfaces.

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

- Two SFP+ connectors for two 10GBASE-R Ethernet ports
- Two QSFP+ connectors for two 40GBASE-R Ethernet ports or eight 10GBASE-R Ethernet ports
- Two USB 2.0 ports
- Two micro-DB-9 connectors for two RS-232/422/485 serial ports
- One RJ-45 connector for one 10/100/1000BASE-T Ethernet port

Internal I/O

- Three M.2 sites to support three x4 PCI Express interfaces
- Two M.2 sites to support two x2 PCI Express interfaces
- GPIO header

Environmental Requirements

Contact factory for appropriate board configuration based on environmental requirements.

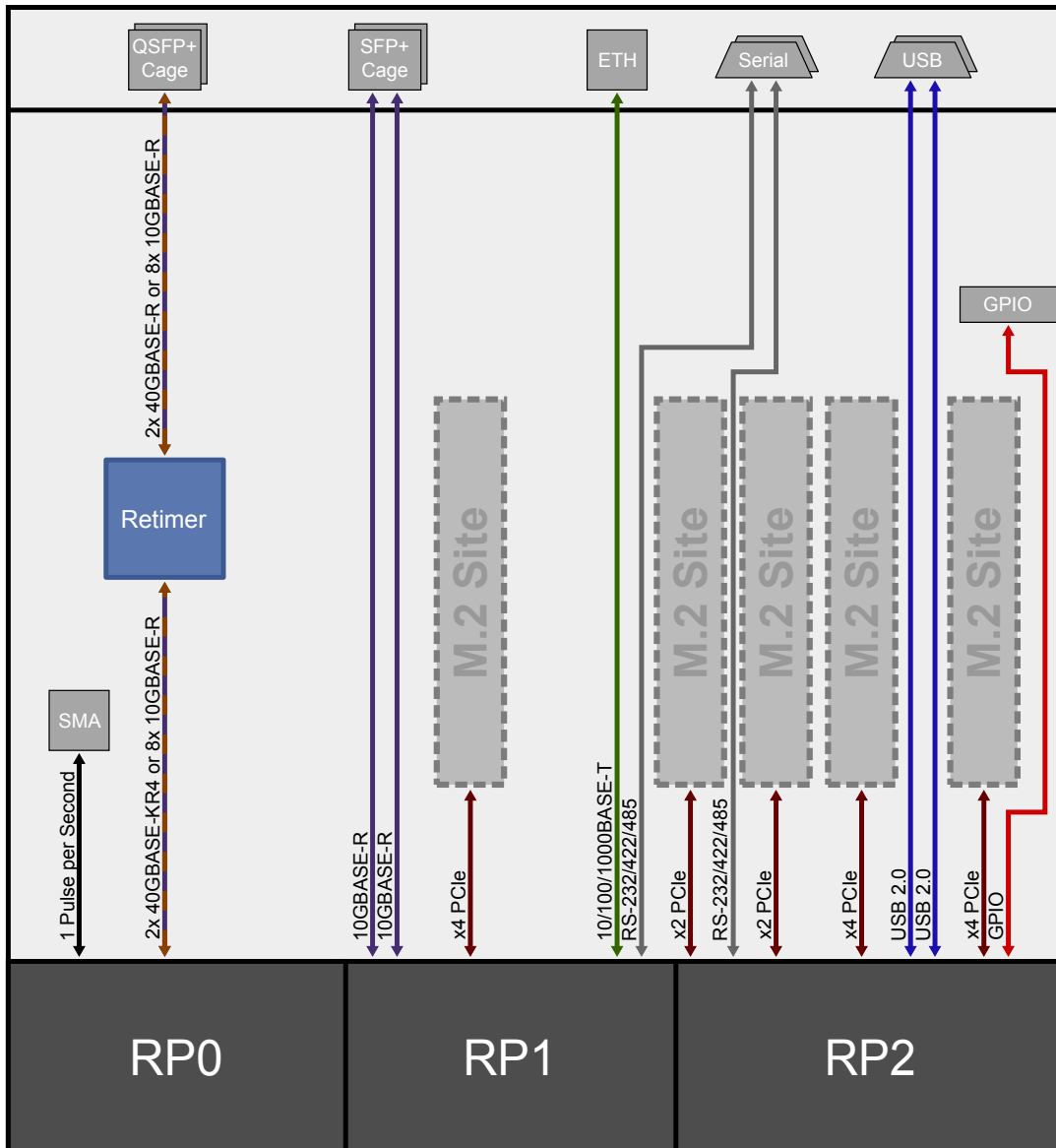
- Supported ruggedization levels (see chart below): 1
- Conformal coating available as an ordering option

Physical Characteristics

- 3U VPX RTM form factor
- Fits in VITA 46.10 RTM slots
- Overall dimensions: TBD
- 1.0 in. pitch

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

† Contact factory for airflow rate details.



XIt1098