XIt1053

6U VPX Rear Transition Module with 100 Gigabit and 10 Gigabit Ethernet, USB, Serial, and JTAG

- 6U VPX Rear Transition Module
- One QSFP+ connector for one 100GBASE-R4 Ethernet port or four 25GBASE-R Ethernet ports
- One SFP+ connector for one 10GBASE-R Ethernet port
- Up to two SFP+ connectors for two 1000BASE-X Ethernet ports
- One USB 2.0 port
- Two micro-DB-9 connectors for two RS-232 serial ports (contact factory for configurations supporting RS-422/485 serial)
- Up to two RJ-45 connectors for two 10/100/1000BASE-T Ethernet ports
- Four M.2 sites to support four x4 PCI Express interfaces (optional)
- Header for JTAG programming or GPIO
- Toggle switches for GPIO and reset inputs
- SMA connector for 1 Pulse per Second (optional)
- Fits in VITA 46.10 RTM slots
- 1.0 in. pitch



XIt1053

The XIt1053 provides I/O expansion for Intel® Xeon® D-1700 series (formerly Ice Lake-D) and D-2800 series (formerly Eddy Lake) processor-based 6U VPX single board computers (SBCs).

Up to three SFP+ connectors on the XIt1053 support one 10GBASE-R and two 1000BASE-X Ethernet ports, and a QSFP+ connector can be configured for either one 100GBASE-R4 Ethernet port or four 25GBASE-R Ethernet ports. A pair of RJ-45 connectors support two 10/100/1000BASE-T Ethernet ports. One of the SFP+ 1000BASE-X Ethernet ports and one of the RJ-45 10/100/1000BASE-T are mutually exclusive configuration options (contact factory for details).

The XIt1053 also supports two serial ports and a USB 2.0 port. Four optional M.2 sites support four x4 PCI Express interfaces. A header for JTAG programming or GPIO supports programming and debug of the attached SBC.

X-ES
Extreme Engineering Solutions

"Fast, Flexible, Customer-Focused Embedded Solutions"

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Back Panel I/O

- One QSFP+ connector for one 100GBASE-R4 Ethernet port or four 25GBASE-R Ethernet ports
- One SFP+ connector for one 10GBASE-R Ethernet port
- Up to two SFP+ connectors for two 1000BASE-X Ethernet ports
- One USB 2.0 port
- Two micro-DB-9 connectors for two RS-232 serial ports (contact factory for configurations supporting RS-422/485 serial)
- Up to two RJ-45 connectors for two 10/100/1000BASE-T Ethernet ports
- Header for JTAG programming or GPIO
- SMA connector for 1 Pulse per Second (optional)

Internal I/O

- Four M.2 sites to support four x4 PCI Express interfaces (optional)

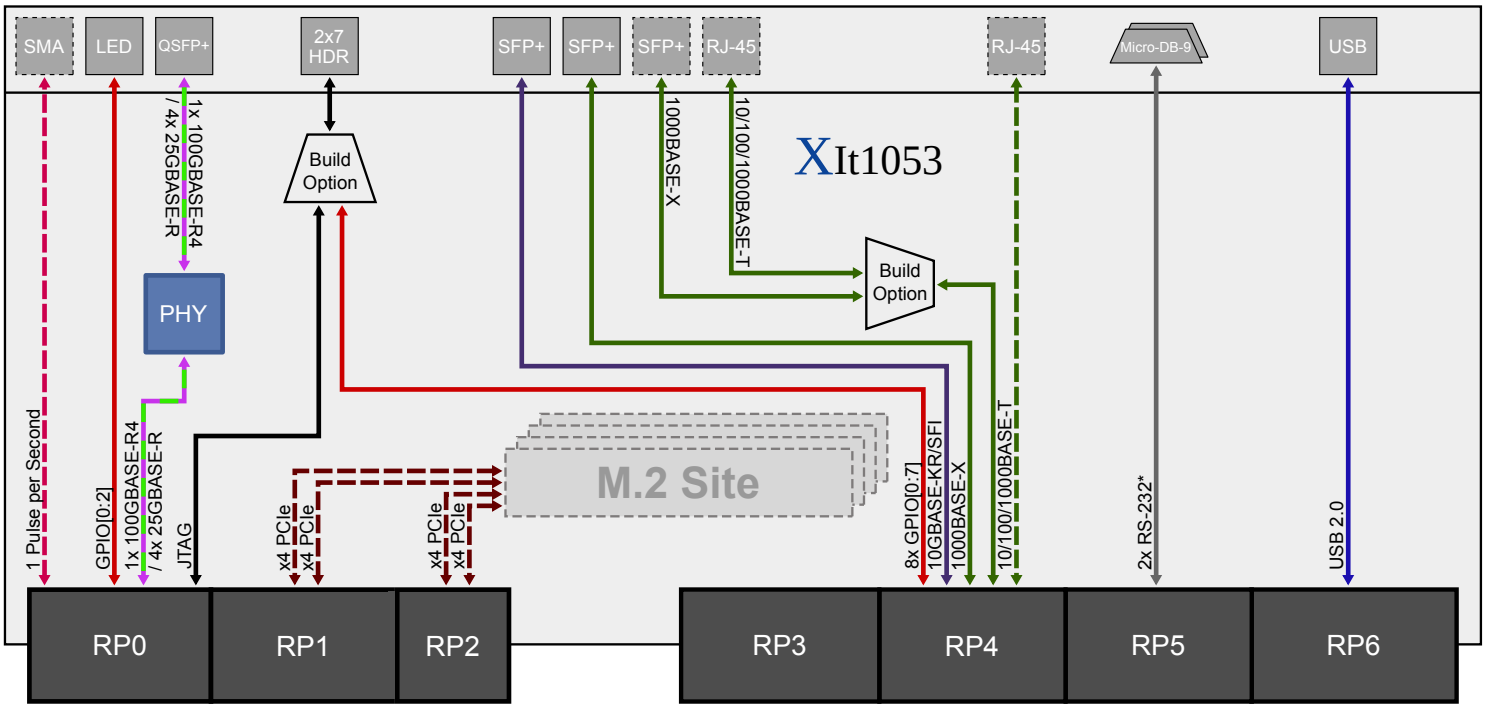
Environmental Requirements

Contact factory for appropriate board configuration based on environmental requirements.

- Conformal coating available as an ordering option

Physical Characteristics

- 6U VPX RTM form factor
- Fits in VITA 46.10 RTM slots
- Overall dimensions: 233.35 mm x 80 mm
- 1.0 in. pitch



* Contact factory for configurations supporting RS-422/485 serial.

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