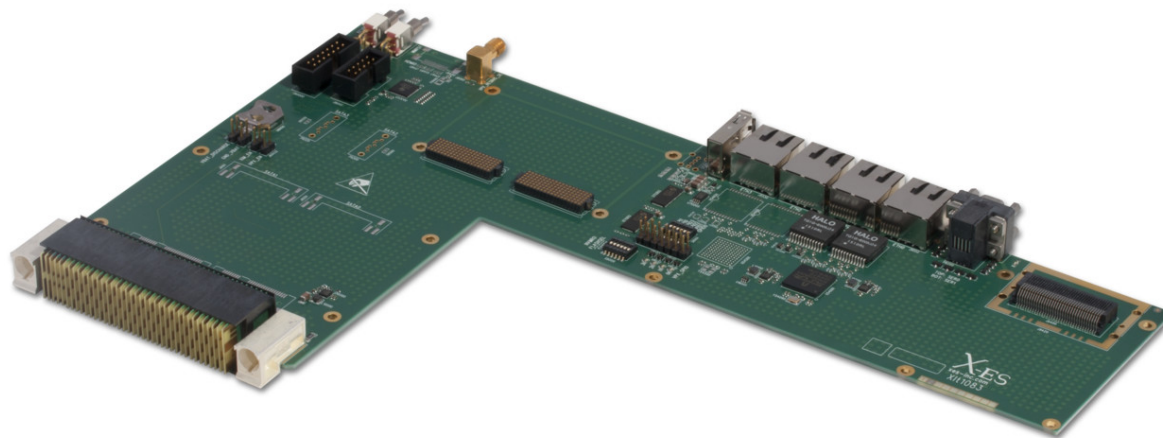


XIt1083

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

- ▶ 3U VPX Rear Transition Module
- ▶ Support for X-ES' 3U VPX SBC module I/O
- ▶ One HDMI connector
- ▶ Two mSATA connectors
- ▶ Two internal SATA connectors
- ▶ Two micro-DB-9 connectors for dual RS-232/422/485 serial ports
- ▶ Two USB connectors
- ▶ Four RJ-45 connectors for 10/100/1000BASE-T
- ▶ x8 Molex iPass™ connector for PCIe
- ▶ XIM site for X24s+X8d+X12d breakout
- ▶ Fits in VITA 46.10 RTM slots
- ▶ 1.0 in. pitch
- ▶ Battery holder to power VBAT



XIt1083

The XIt1083 provides I/O expansion for 3U VPX SBCs. Its L-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.

The XIt1083 can support up to two RS-232/422/485 ports, four SATA ports, four 10/100/1000BASE-T ports, one HDMI port, and two USB ports. A XIM site allows for X24s+X8d+X12d breakout. A x8 Molex iPass™ connector provides breakout capabilities for VPX fabric A and B.

X-ES

Extreme Engineering Solutions

...Always Fast

Extreme Engineering Solutions

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 sales@xes-inc.com • <https://www.xes-inc.com>

Back Panel I/O

- Four RJ-45 connectors for 10/100/1000BASE-T ports
- Two micro-DB-9 for dual RS-232/422/485 serial ports
- Two USB connectors
- One HDMI connector
- XIM site to breakout X24s+X8d+X12d
- x8 Molex iPass™ connector to breakout VPX fabric A and B

Internal I/O

- Two mSATA connectors
- Two iSATA connectors
- Battery holder
- GPIO header
- I²C header

Physical Characteristics

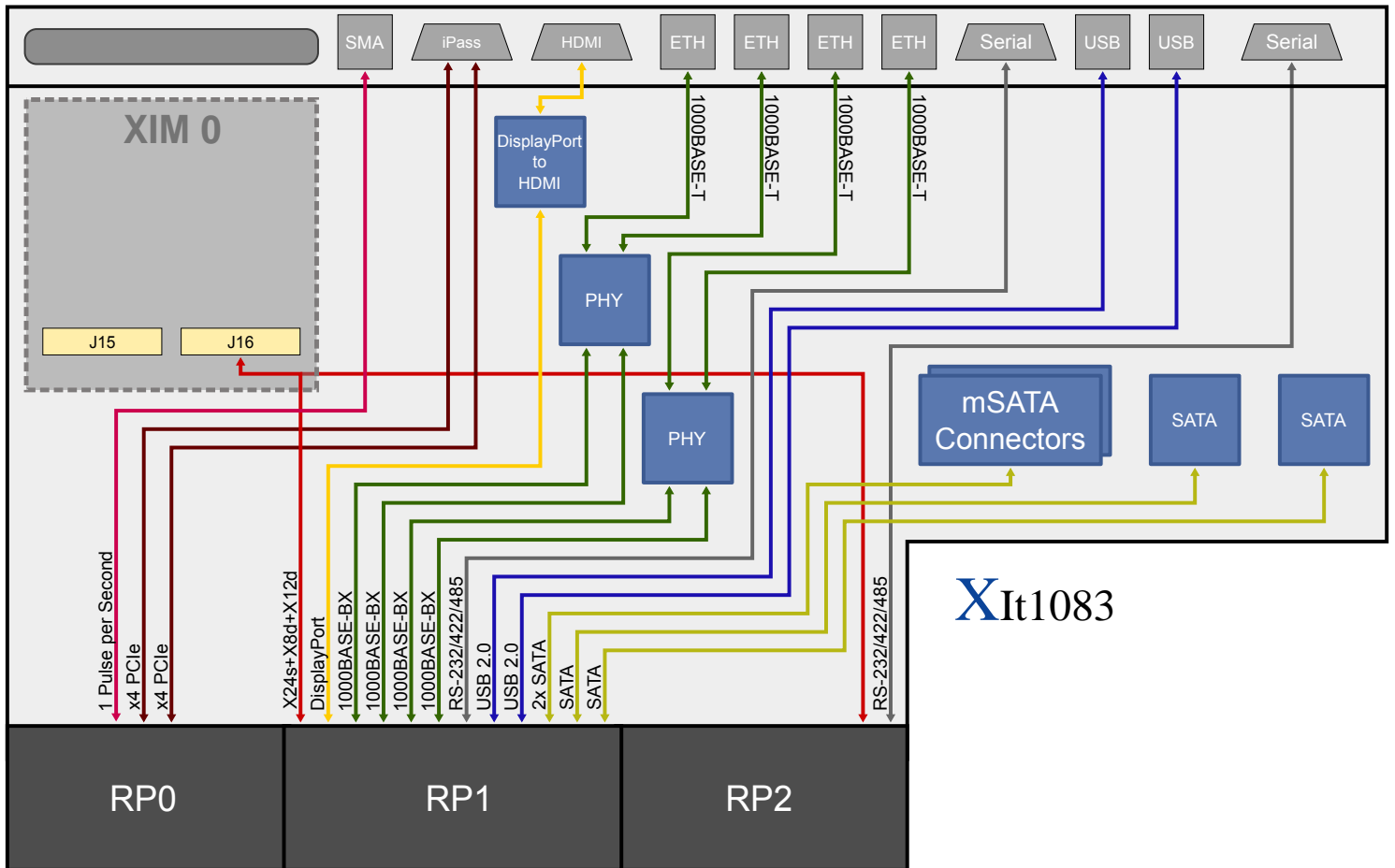
- 3U VPX RTM form factor
- Fits in VITA 46.10 RTM slots
- Overall dimensions: 300 mm x 171.5 mm. Please contact factory for exact L-shaped dimensions by side.
- 1.0 in. pitch

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

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



XIt1083