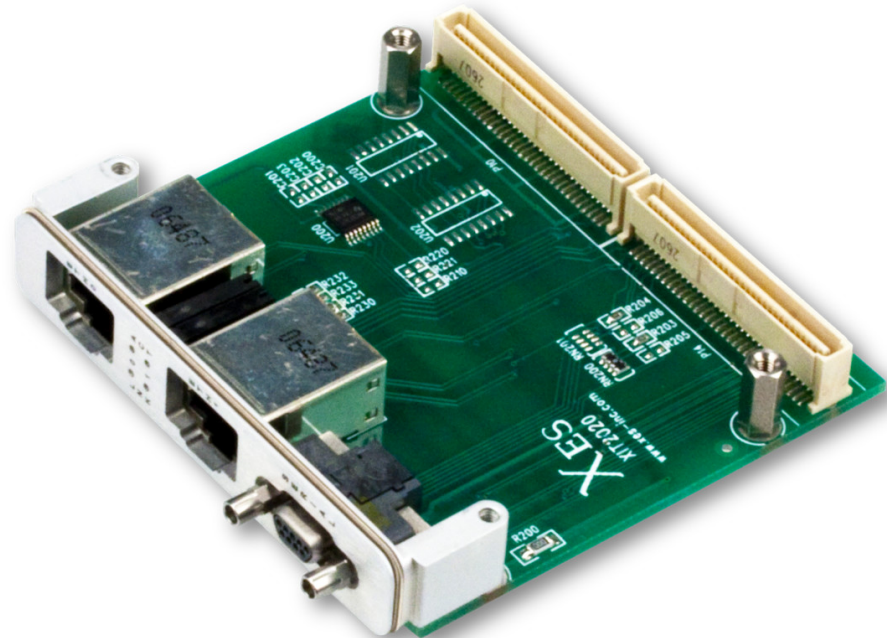


XIt2020

PMC I/O Module (PIM) for X-ES XMC/PrPMC Modules

- › PIM module
- › Two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors
- › Two RS-232 serial ports to micro-DB-9 connectors
- › Optional RS-422 to RS-232 converter support
- › Ethernet link/activity LEDs



XIt2020

The XIt2020 is a PMC I/O Module (PIM) per the VITA 36 specification which supports various X-ES PrPMC products. When installed on the appropriate carrier, such as the XTend3100 or XIt1003, the XIt2020 routes I/O signals from an associated PrPMC's rear panel P14 connector to allow connection of these signals to external equipment.

The XIt2020 breaks out 10/100/1000BASE-T Ethernet and RS-232 serial to RJ-45 and micro-DB-9 connectors respectively. The XIt2020 also provides the ability to convert from serial RS-232 to RS-422 and vice versa.

X-ES

Extreme Engineering Solutions

...Always Fast

Extreme Engineering Solutions

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Ethernet

- Two 10/100/1000BASE-T Ethernet ports to RJ-45 connectors

Physical Characteristics

- PMC I/O Module (VITA 36)
- Dimensions: 74 mm x 69 mm

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

Serial

- Two RS-232 ports to micro-DB-9 connectors
- RS-422 conversion (optional)

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

