

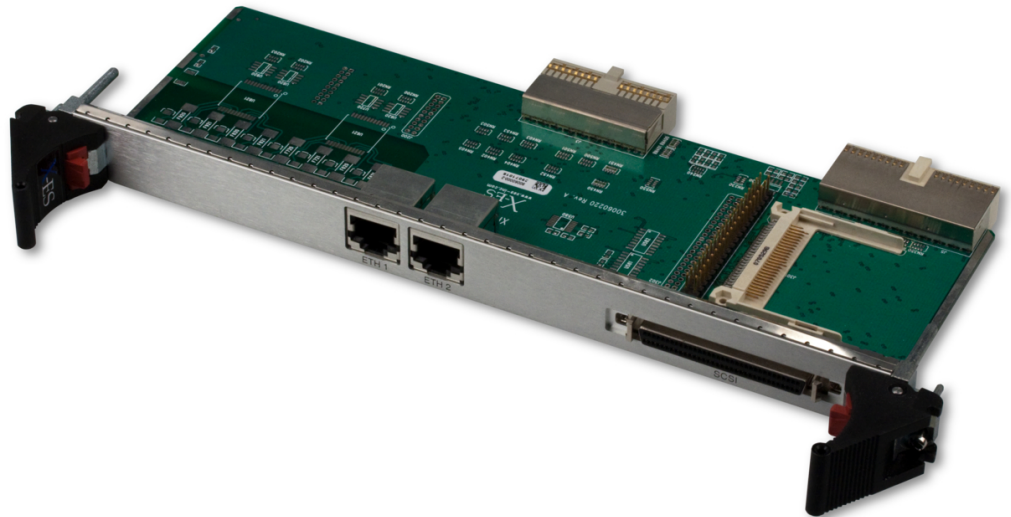
# XIt1000

**Not Recommended  
for New Designs**

6U cPCI I/O Transition Module For X-ES Products

Please see XIt4103 or  
XIt1009

- ▶ 6U cPCI Rear Transition Module
- ▶ Supports breakout of two PICMG 2.16 Gigabit Ethernet ports
- ▶ 40-pin IDE connector
- ▶ 44-pin laptop IDE connector
- ▶ 68-pin SCSI connector
- ▶ Two RS-232/422 RJ-45 connectors
- ▶ Four E1/T1/J1 RJ-45 connectors
- ▶ One CompactFlash connector



## XIt1000

The XIt1000 is a 6U cPCI transition module that supports rear I/O for several products in X-ES' product line.

The XIt1000 supports both IDE and SCSI bulk storage interfaces. The XPort6000 SCSI card is supported via a 68-pin SCSI connector. The module also supports the XCalibur and XChange series IDE interface through 40-pin, 44-pin, and CompactFlash headers.

The transition module also breaks out PICMG 2.16 Gigabit Ethernet ports via RJ-45 connectors. Additionally, rear I/O Ethernet ports for the XPedite and XPort series of cards are also accessible. The XIt1000 also breaks out the RS-232/422 serial ports and E1/T1/J1 ports for the XChange, XPort, and XPedite series of modules.

The XIt1000 is available in multiple configurations. Not all connectors are placed on all configurations. Contact X-ES for an appropriate configuration based on your specific I/O needs.

# X-ES

Extreme Engineering Solutions

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### Extreme Engineering Solutions

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**6U SBC I/O Support**

- Integrated IDE via standard 40-pin header or laptop drive 44-pin header
- Two 2.16 Gigabit Ethernet ports via RJ-45 connectors
- Two RS-232/422 serial ports via RJ-45 connectors

**PMC I/O Support**

- 68-pin SCSI connector
- One RS-232 serial port
- Two Gigabit Ethernet ports via RJ-45 connectors
- Four T1/E1/J1 ports

**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**

- Dimensions: 233.35 mm x 85.5 mm

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 ambient
Vibration	0.002 g <sup>2</sup> /Hz, 5 to 2000 Hz	0.04 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz	0.1 g <sup>2</sup> /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

