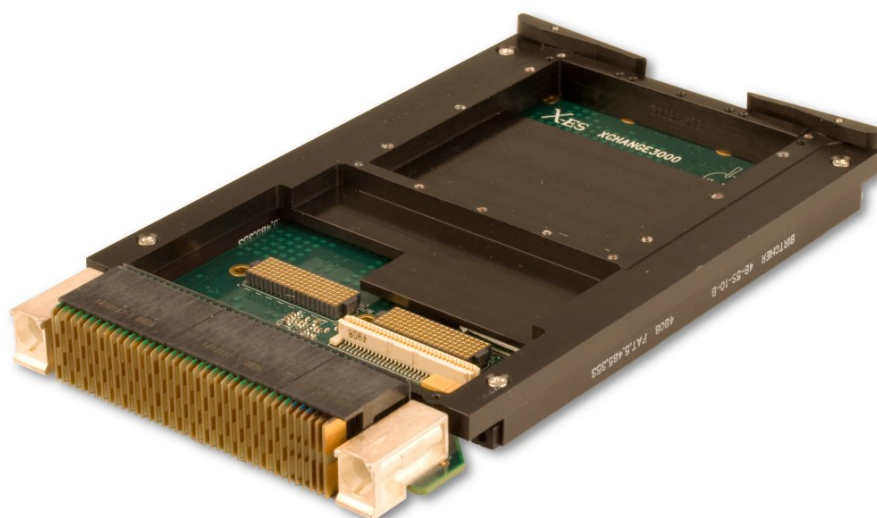


# XChange3000

3U VPX-REDI PMC/XMC Carrier

- ▶ 3U VPX carrier card
- ▶ Conduction or air cooling
- ▶ x4 PCI-Express XMC interface
- ▶ 32 bit 66 MHz PCI PMC interface
- ▶ P14 and P16 IO routing
- ▶ No drivers needed



## XChange3000

The XChange3000 is a 3U VPX-REDI module supporting a single width PrPMC or XMC card. The XChange3000 easy integration of standard mezzanine cards into a modern VXP backplane.

Both PrPMC and XMC interfaces are active simultaneously.

# X-ES

Extreme Engineering Solutions

*...Always Fast*

### Extreme Engineering Solutions

3225 Deming Way, Suite 120 • Middleton, WI 53562

Phone: 608.833.1155 • Fax: 608.827.6171

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

**VPX**

- x4 PCI-Express on port A
- x4 PCI-Express on port B
- Either port A or port B may be non-transparent

**PMC**

- PMC may be monarch
- 66 MHz 32 Bit PCI
- P14 to P2 IO routing

**XMC**

- x4 PCI-Express interface
- XMC may be root

**Physical Characteristics**

- 3U VPX form factor
- Dimensions: 100 mm x 160 mm, 10-mm stacking height

**Environmental Requirements**

Contact factory for appropriate board configuration based on environmental requirements.

- Supported ruggedization levels (see chart below): Level 1, Level 2, Level 3, Level 4, Level 5
- Humidity: 0% to 95% non-condensing

**Power Requirements**

- Maximum power consumption: TBD W

Ruggedization Level	Level 1	Level 2	Level 3	Level 4	Level 5
Cooling Method	Standard Air-Cooled	Extended Air-Cooled	Rugged Air-Cooled	Conduction-Cooled	Conduction-Cooled
Operating Temperature	0 to +55 °C	0 to +65 °C	-40 to +70 °C	-40 to +70 °C	-40 to +85 °C
Vibration	0.002 g <sup>2</sup> /Hz	0.002 g <sup>2</sup> /Hz	0.04 g <sup>2</sup> /Hz	0.1 g <sup>2</sup> /Hz	0.1 g <sup>2</sup> /Hz
Shock	20 g	20 g	40 g	40 g	40 g
Storage Temperature	-40 to +105 °C	-40 to +105 °C	-55 to +105 °C	-55 to +105 °C	-55 to +105 °C

