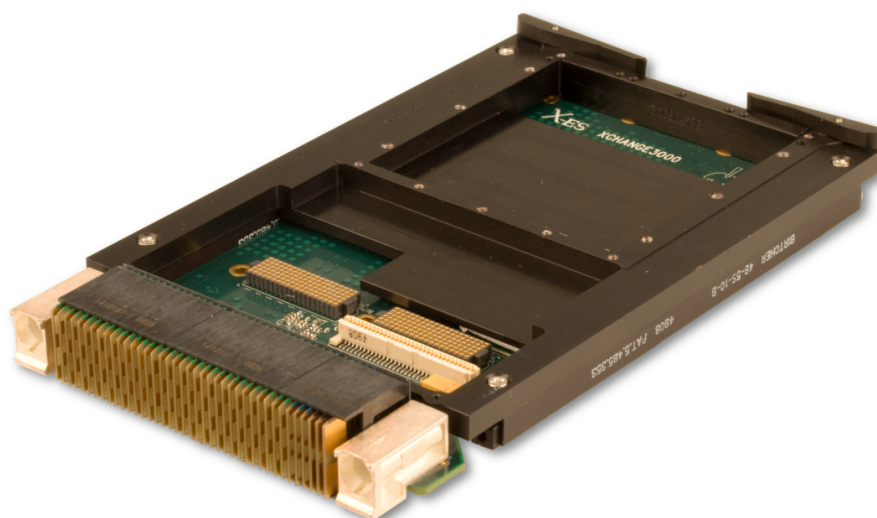


XChange3000

Conduction- or Air-Cooled 3U VPX-REDI PMC/XMC Carrier Card

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



XChange3000

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

Both PrPMC and XMC interfaces are active simultaneously.

X-ES

Extreme Engineering Solutions

...Always Fast

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VPX

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

PMC

- 66-MHz, 32-bit PCI
- P14 to P2 I/O 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): 1, 3, 5
- Conformal coating available as an ordering option

Power Requirements

- 3.3V, 0.045 A, 0.15 W
- 5V, 0.85 A, 4.25 W

Supported 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	0 to +85 °C ambient	-40 to +105 °C ambient	-55 to +105 °C ambient
Vibration	0.002 g ² /Hz, 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

