

XChange3011

Conduction- or Air-Cooled Redundant Gigabit Ethernet Switch

- › Two, fully independent, eight-port Ethernet switch fabrics
- › Seven backplane 10/100/1000BASE-T Ethernet ports per switch
- › One XMC (J14) 10/100/1000BASE-T Ethernet port per switch
- › SerDes Ethernet routing for up to three ports per switch (optional)
- › Layer 2 Management via XMC module (optional)



XChange3011

The XChange3011 provides two independent Gigabit Ethernet switch fabrics. These fabrics allow communication between VPX system cards and provide access to an outside local area network.

The XChange3011 optionally supports Layer 2 Management via an XMC module over I²C/SPI and 10/100/1000BASE-T interfaces. The console access to the XMC (J14) is via RS-232 serial on the XChange3011 P1 connector.

X-ES

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Ethernet

- Two eight-port 10/100/1000BASE-T Ethernet switches

Management

- Layer 2 Management via XMC (optional)
- RS-232 console serial on P1

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

- Maximum power consumption: 18 W

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 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

