



Applications

- 10G Ethernet
- Gigbit Ethernet/Fibre Channel
- Fast Ethernet
- Infiniband
- 1x 2x 4x FibreChannel
- Pixel Bus
- OC3/STM1

Summary

The **XRM2-OPT** is an XRM2 I/O Module which provides a variety of multi-gigabit communications options.

Designed for the Alpha Data PMC/XMC family of products, the **XRM2-OPT** provides external connectivity for the Multi-Gigabit Transceivers (MGTs) on the FPGA board. The **XRM2-OPT** allows easy external connectivity by means of simple, point-to-point connection schemes implemented using off-the-shelf optical fibre. The XRM2-OPT includes a low-jitter oscillator to support high-bit rate applications.

Deliverables

- XRM2-OPT Board
- One Year Warranty
- One Year Technical Support

Board Features

- Quad Optical Transceivers
- User definable Oscillator

Board Format

Alpha Data XRM2 I/O Module

Input/Output Interfaces

Optical HS Transceiver

- 1 to 4 (build option)x Quad High Speed Optical Transceivers

Environmental Specification

Temperature Ranges

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
IND	-40°C	+85°C	-55°C	+125°C

Operating Humidity

Up to 95% (non-condensing)

EMC Standards

FCC 47CFR Part 2
EN55022:2010 Equipment ClassB

Ordering Information

Order Code: XRM2-OPT/(io)/(type)(f)

Option	Code	Description of Options
Number of I/O	io	1,2,3,4
Interface Type	type	10G-SX = multi-mode 850nm txvr (VCSEL) 8Gbps to 10.3125Gbps, 5G-SX = multi-mode 850nm txvr (VCSEL) 1.0Gbps - 5.0Gbps, 3G-LX = single-mode 1310nm txvr (FP Laser) 125Mbps - 3.125Gbps
Oscillator	f	/156M25=156.25MHz Default Oscillator fitted, /125=125MHz Oscillator, /USER=User Defined
note		Other options are available contact sales for more information. When selecting a USER Defined Oscillator Frequency please replace /USER with desired value.

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