XRM2-OPT

Applications

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

Board Features

- Quad Optical Transceivers
- User definable Oscillator

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

Input/Output Interfaces

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

configurations include:
Singlemode (1310nm): 125Mb/s to 3.125Gb/s
Multimode (850nm): 1.0Gb/s to 5.0Gb/s or 8Gb/s to 10.3125Gb/s

ALPHA DATA

Support

Example UCF, HDL files and Application software are provided with the board.

Environmental Specification

Temperature Ranges

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC0	0°C	55°C	-40°C	85°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 txver (VCSEL) 8Gbps to 10.3125Gbps, 5G-SX = multi-mode 850nm txver (VCSEL) 1.0Gbps - 5.0Gbps, 3G-LX = single-mode 1310nm txver (FP Laser) 125Mbps - 3.125Gbps
Oscillator	f	blank=none 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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