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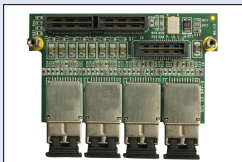
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22nd April 2015

Summary

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

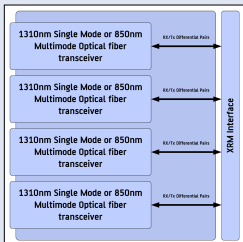
Designed for the Alpha Data PMC/XMC family of products, the **XRM-OPT** provides external connectivity for the Multi-Gigabit Transceivers (MGTs) on the FPGA board. The **XRM-OPT** allows easy external connectivity by means of simple, point-to-point connection schemes implemented using off-the-shelf optical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

Features
Applications:

- GigE/FC
- Fast Ethernet
- Infiniband
- 1x 2x 4x FibreChannel
- Pixel Bus
- OC3/STM1

Front Connector I/O:

Quad High Speed Optical Transceivers





Specification

Product Name	XRM-OPT
Front I/O	Optical HS Transceiver: Quad High Speed Optical Transceivers Singlemode (1310nm): 125Mb/s to 3.125Gb/s Multimode (850nm): 1.0Gb/s to 5.0Gb/s
XRM2	The XRM-OPT is also available for XRM2 based FPGA products.
Software	Example UCF, HDL files and Application software are provided with the board.
Environmental	Temperature: Operating Temperature 0° to +55°C EMC: FCC 47CFR Part 2 EN55022 Equipment Class B

Ordering Codes

Ordering Codes		
XRM(xver)-OPT(io)(type)(f)		
XRM Version	xver	blank=Original XRM (FPGA products up to Virtex-5), 2=XRM Version 2 (FPGA products Virtex-6 and later)
Number of I/O	io	1,2,3,4
Interface Type	type	SG-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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