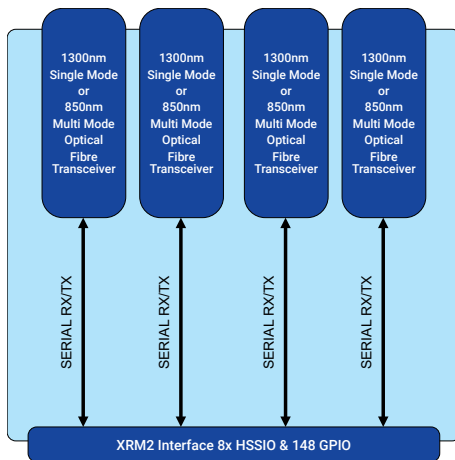
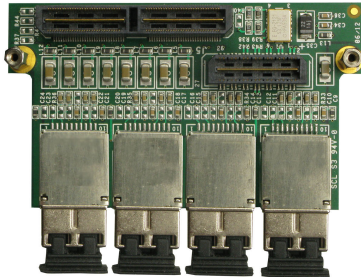


AD01129



## Applications

- 10G Ethernet
- Gigabit 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.

## Board Features

- Quad Optical Transceivers
- User definable Oscillator

## Deliverables

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

## Board Format

Alpha Data XRM2 I/O Module

## Input/Output Interfaces

### Optical HS Transceiver

Quad High Speed Optical Transceivers

## Environmental Specification

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 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	/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.