

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**Full-service, independent repair center**
with experienced engineers and technicians on staff.

**We buy your excess, underutilized, and idle equipment**
along with credit for buybacks and trade-ins.

**Custom engineering**
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

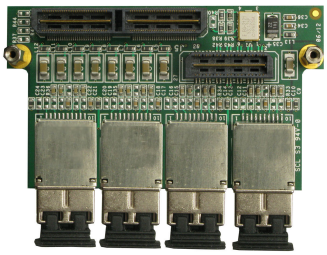
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

**Visit our website - *Click HERE***

# XRM2-OPT

Datasheet Revision: 2.3
5th May 2020

AD01129



## Applications

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

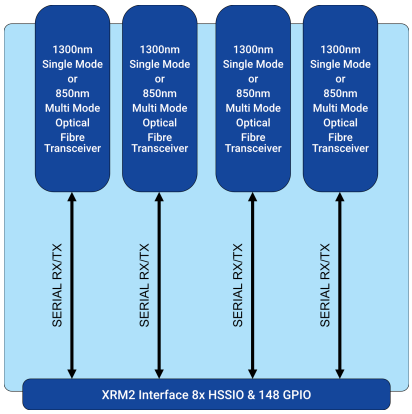
## Board Features

- 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 Tranceivers (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 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,<br>5G-SX = multi-mode 850nm txver (VCSEL) 1.0Gbps - 5.0Gbps,<br>3G-LX = single-mode 1310nm txver (FP Laser) 125Mbps - 3.125Gbps |
| Oscillator | f | /156M25=156.25MHz Default Oscillator fitted,<br>/125=125MHz Oscillator,<br>/USER=User Defined |
| note | Other options are available contact sales for more information.<br>When selecting a USER Defined Oscillator Frequency please replace /USER with desired value. | |



**UK Office**
Address: Suite L4A, 160 Dundee Street, Edinburgh, EH11 1DQ, UK
Telephone: +44 131 558 2600
Fax: +44 131 558 2700
email: sales@alpha-data.com

**USA Office**
611 Corporate Circle, Suite H
Golden, CO 80401
(303) 954 8768
(866) 820 9956 - toll free
sales@alpha-data.com

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

## We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

## Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP