

Summary

The XRM2-FCN-C1 is an I/O Module which provides eight full-duplex high-speed serial communication channels and two JPEG2000 image processing device.

The XRM provides the cost-effective solution to applications requiring high-speed data communications such as Infiniband TA, 10G Ethernet, 4x Fibre Channel. It allows easy connection of these cards to devices with compatible connectors and signaling standards by means of a simple, point-to-point connection schemes implemented using off-the-shelf cable assemblies. Both copper and optical('CX4') versions of the FCN connector are supported, with full control and fault signaling for each of the optical power connections.

A separate low-jitter oscillator is provided to support high-bit rate applications where the internal clock is unsuitable.

The two JPEG2000 compression/decompression devices allow video processing to be performed with little impact on the User FPGA design.

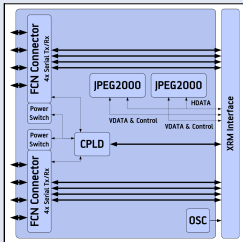
Features

Applications

- Dual Infiniband 4x (4 lanes at 2.5Gb/s over copper or optical fibre)
- Dual 10Gb/s Ethernet CX4 (4 lanes at 3.125Gb/s over copper or optical fibre)
- Dual 10Gb/s Fibre Channel (4 lanes at 3.1875Gb/s over copper or optical fibre)
- Dual 4x OC-48 SONET
- Video compression/decompression interfaces.

Front I/O:

- Octal High Speed Serial Link via FCN connectors





Specification

Product Name	XRM2-FCN-C1
Front I/O	8 Channel Serial I/O: Using a variety of plug in connectors allow for different copper/optical standards to be implemented.
Special Features	Dual JPEG2000 compression/decompression devices.
Software	Example UCF, HDL files and Application software are provided with the board.
Environmental	<p>Temperature: Air cooled option (AC0): Operating Temperature 0° to +55°C</p> <p>EMC: FCC 47CFR Part 2 EN55022 Equipment Class B</p> <p>RoHS Compliance: All standard products are RoHS compliant. Please contact Alpha Data Sales for details of Tin/Lead build options.</p>

Ordering Code

XRM2-FCN-C1(f)

Oscillator

f

blank=none fitted,/USER=User Defined

Address: 4 West Silvermills Lane,
Edinburgh, EH3 5BD, UK
Telephone: +44 131 558 2600
Fax: +44 131 558 2700
email: sales@alpha-data.com
website: http://www.alpha-data.com

Address: 3507 Ringsby Court Suite 105,
Denver, CO 80216
Telephone: (303) 954 8768
Fax: (866) 820 9956 toll free
email: sales@alpha-data.com
website: http://www.alpha-data.com