



Applications

- Multiple CoaXpress Interfaces
- Video Frame Grabber
- Image Processing
- Video Communications

Summary

The **XRM2-COAXPRESS** is an XRM2 I/O Module which provides Coaxpress capability for Alpha Data FPGA cards.

It provides the user with the ability to implement computationally-intensive applications such as frame grabbers, digital video communications and image processing systems in the FPGA when using a compatible camera. Provided in two configurations: an 8 Channel Receiver or as a 6 channel receiver/2 channel transmitter.

Board Features

- CoaXpress Interface Circuitry
- Power over CoaXpress circuitry

Deliverables

XRM2-COAXPRESS Board
 One Year Warranty
 One Year Technical Support

Board Format

Alpha Data XRM2 I/O Module

Input/Output Interfaces

6/8x Coaxpress Receive channels - /R8 = 8 Channels

2/0x Coaxpress Transmit channels - /R8 = 0 Channels

1x PoCXP power in (+24V)



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
AC1	-40°C	70°C	-55°C	100°C

Operating Humidity : Up to 95% (non-condensing)

EMC Standards

FCC 47CFR Part 2

EN55022:2010 Equipment ClassB

Ordering Information

Order Code: XRM2-COAXPRESS(IO)(t)

Option	Code	Description of Options
IO MODE	IO	/R8 = Eight CoaXPress Receive Channels, /R6T2 = Six CoaXPress Receive Channels and 2 CoaXPress Transmit Channels
DAC Interface	t	blank = DACs not fitted . /C1 = DACs are fitted (only for /R6T2 option)

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