



General purpose Serial and Parallel I/O Interface

Summary

The **XRM2-IO146-ROCKET** is an XRM2 I/O Module which provides seven High Speed Serial I/O and up to 116 LVDS/LVTTL I/O via a Mictor 152pin connector.

The XRM2-IO146-ROCKET also provides battery support to provide a back-up supply for encryption key storage on the connected FPGA board.

Deliverables

XRM2-IO146-ROCKET Board
 One Year Warranty
 One Year Technical Support

Board Features

- 7 High-speed Serial I/O
- 116 Digital I/O

Input/Output Interfaces

7x High-speed Serial I/O (TxP/TxN - RxP/RxN)

Levels: LVDS or LVTTTL I/O
 Connector: Mictor 152 pin

52x Differential Pair I/O

Levels: LVDS or LVTTTL I/O
 Connector: Mictor 152 pin

12x Single Ended I/O

Levels: LVDS or LVTTTL I/O
 Connector: Mictor 152 pin

4x Single Ended Clock I/O

Levels: LVDS or LVTTTL I/O
 Connector: Mictor 152 pin



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
AC0	0°C	55°C	-40°C	85°C

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

EMC Standards

FCC 47CFR Part 2

EN55022:2010 Equipment ClassB

Ordering Information

Order Code: RM2-IO146-ROCKET(LOCK)

Option	Code	Description of Options
Cable Locking Mechanism	LOCK	blank=No cable locking mechanism, LOCK=Cable locking mechanism fitted

Address: 160 Dundee Street, Suite 4A,
Edinburgh, EH11 1DQ, UK
Telephone: +44 131 558 2600
Fax: +44 131 558 2700
email: sales@alpha-data.com
website: http://www.alpha-data.com

Address: 611 Corporate Circle Suite H
Golden, CO 80401
Telephone: (303) 954 8768
Fax: (866) 820 9956 - toll free
email: sales@alpha-data.com
website: http://www.alpha-data.com