
Summary

The **XRM-IO146-ROCKET** is an I/O Module which provides seven High Speed Serial I/O and up to 116 LVDS/LVTTL I/O via the Mictor 152pin connector. The XRM also provides battery support to provide a back-up supply for encryption key storage on the connected FPGA board.

Note: Ensure the FPGA board has the High-Speed serial link capability, some FPGA boards do not have this functionality (this includes the ADM-XRC-5LX and ADM-XRC-4).

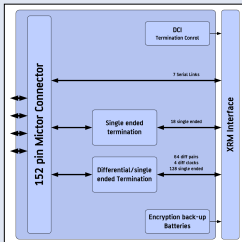
Features
Applications:

General purpose Serial and Parallel I/O Interface

Front Connector I/O:

7x High Speed Serial I/O

112 discrete digital I/Os LVDS/LVTTL





Specification

Product Name	XRM-IO146-Rocket
Front I/O	HS Serial I/O: - 7x High Speed Serial I/O connector=Mictor 152 pin Digital I/O: - 112 discrete digital I/Os LVDS/LVTTL levels=LVDS or LVTTL I/O connector=Mictor 152 pin/52 differential Pairs, 12 single ended signals and 2 differential clock signals
XRM2	The XRM-IO146-Rocket is also available for XRM2 based FPGA products.
Software	Example UCF, HDL files and Application software are provided with the board.
Battery	The XRM provides holders for two back-up batteries. Uses SR60 or equivalent batteries.
Environmental	Temperature: Operating Temperature 0° to +55°C EMC: FCC 47CFR Part 2 EN55022 Equipment Class B

Ordering Codes

XRM(xver)-IO146-ROCKET(LOCK)

XRM Version	xver	blank=Original XRM (FPGA products up to Virtex-5), 2=XRM Version 2 (FPGA products Virtex-6 and later)
Cable Locking Mechanism	LOCK	blank=No cable locking mechanism, -LOCK=Cable locking mechanism fitted

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